



Technical Report for

KLEINFELDER

Falcon Refinery Superfund Site/Ingleside, TX

Accutest Job Number: T19987

Sampling Date: 12/05/07

Report to:

KLEINFELDER

shalasz@kleinfelder.com

ATTN: Stephen Halasz

Total number of pages in report: **236**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Ron Martino  
Laboratory Manager

Client Service contact: Sylvia Garza 713-271-4700

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Test results relate only to samples analyzed.

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## Sample Summary

KLEINFELDER

Job No: T19987

Falcon Refinery Superfund Site/Ingleside, TX

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
T19987-1	12/05/07	09:05 PS	12/06/07	SO	Soil	FR-109
T19987-2	12/05/07	09:10 PS	12/06/07	SO	Soil	FR-110
T19987-3	12/05/07	09:15 PS	12/06/07	SO	Soil	FR-111
T19987-4	12/05/07	09:30 PS	12/06/07	AQ	Water	FR-112
T19987-5	12/05/07	10:45 PS	12/06/07	SO	Soil	FR-113
T19987-6	12/05/07	10:50 PS	12/06/07	SO	Soil	FR-114
T19987-6D	12/05/07	10:55 PS	12/06/07	SO	Soil Dup/MSD	FR-114 MSD
T19987-6S	12/05/07	10:55 PS	12/06/07	SO	Soil Matrix Spike	FR-114 MS
T19987-7	12/05/07	11:15 PS	12/06/07	AQ	Water	FR-115
T19987-8	12/05/07	13:50 PS	12/06/07	SO	Soil	FR-116
T19987-9	12/05/07	13:55 PS	12/06/07	SO	Soil	FR-117
T19987-10	12/05/07	14:10 PS	12/06/07	AQ	Water	FR-118
T19987-11	12/05/07	15:20 PS	12/06/07	SO	Soil	FR-119

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.



## Sample Summary (continued)

**KLEINFELDER**

**Job No: T19987**

**Falcon Refinery Superfund Site/Ingleside, TX**

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
T19987-12	12/05/07	15:25 PS	12/06/07	SO	Soil	FR-120
T19987-13	12/05/07	15:40 PS	12/06/07	AQ	Water	FR-121
T19987-14	12/05/07	16:15 PS	12/06/07	AQ	Water	FR-122
T19987-15	12/05/07	00:00 PS	12/06/07	AQ	Trip Blank Soil	TRIP BLANK
T19987-16	12/05/07	00:00 PS	12/06/07	AQ	Trip Blank Water	TRIP BLANK

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** KLEINFELDER

**Job No** T19987

**Site:** Falcon Refinery Superfund Site/Ingleside, TX

**Report Date** 1/2/2008 12:35:16 PM

15 Samples and 2 Trip Blanks were collected on 12/05/2007 and were received at Accutest on 12/06/2007 properly preserved, at 2.1 Deg. C and intact. These Samples received an Accutest job number of T19987. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method SW846 8260B

<b>Matrix</b> AQ	<b>Batch ID:</b> VF2797
------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19944-14MS, T19944-14MSD were used as the QC samples indicated.
- VF2797-MB for Methylene chloride: Suspected laboratory contaminant.

<b>Matrix</b> AQ	<b>Batch ID:</b> VF2798
------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20012-5MS, T20012-5MSD were used as the QC samples indicated.
- Matrix Spike Duplicate Recovery(s) for Dichlorodifluoromethane are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for 1,4-Dioxane, Naphthalene are outside control limits for sample T20012-5MSD. High RPD due to low concentration of a hit.
- VF2798-MB for Methylene chloride: Suspected laboratory contaminant.
- T20012-5MSD for n-Butyl Alcohol: High RPD due to low concentration of a hit.

<b>Matrix</b> SO	<b>Batch ID:</b> VM48
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19987-6MS, T19987-6MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Vinyl Acetate are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Vinyl Acetate are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for Trichlorofluoromethane, Vinyl Acetate are outside control limits for sample T19987-6MSD. Probable cause due to sample homogeneity.

## Extractables by GCMS By Method SW846 8270C

<b>Matrix</b> AQ	<b>Batch ID:</b> OP8660
------------------	-------------------------

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) T19967-2MS, T19967-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits biased high.
- Matrix Spike Recovery(s) for Naphthalene, 3,3'-Dichlorobenzidine, Benzoic Acid, bis(2-Ethylhexyl)phthalate, Butyl benzyl phthalate, Di-n-octyl phthalate, Hexachloroethane are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for 3,3'-Dichlorobenzidine, 4-Nitrophenol, Benzoic Acid, bis(2-Ethylhexyl)phthalate, Hexachloroethane, Pentachlorophenol are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for 4,6-Dinitro-o-cresol, Benzo(g,h,i)perylene, Di-n-octyl phthalate, Dibenzo(a,h)anthracene, Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene are outside control limits for sample OP8660-MSD. Probable cause due to sample homogeneity.

<b>Matrix</b> SO	<b>Batch ID:</b> OP8652
------------------	-------------------------

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19944-1MS, T19944-1MSD were used as the QC samples indicated.
- RPD(s) for MSD for 1,3-Dichlorobenzene are outside control limits for sample OP8652-MSD. Probable cause due to sample homogeneity.

<b>Matrix</b> SO	<b>Batch ID:</b> OP8657
------------------	-------------------------

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19964-4MS, T19964-4MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 3,3'-Dichlorobenzidine, 4-Nitroaniline are outside control limits biased high.
- Matrix Spike Recovery(s) for bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Benzo(g,h,i)perylene, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene are outside control limits. Probable cause due to matrix interference.

<b>Matrix</b> SO	<b>Batch ID:</b> OP8681
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19987-6MS, T19987-6MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits biased high.
- Matrix Spike Recovery(s) for 1-Methylnaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 3&4-Methylphenol, 4-Chloro-3-methyl phenol, 4-Chlorophenyl phenyl ether, Acenaphthene, Acenaphthylene, Benzyl Alcohol, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Fluorene, Hexachlorobenzene, Isophorone, N-Nitroso-di-n-propylamine, Naphthalene, Nitrobenzene, Phenol are outside control limits. Compounds outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1-Methylnaphthalene, 2,4,5-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2-Chlorophenol, 2-Methylnaphthalene, 2-Methylphenol, 3&4-Methylphenol, 4-Chloro-3-methyl phenol, 4-Chlorophenyl phenyl ether, Acenaphthene, Acenaphthylene, Benzyl Alcohol, bis(2-Chloroethoxy)methane, Dibenzofuran, Dimethyl phthalate, Isophorone are outside control limits. Compounds outside control limits due to matrix interference.

### Extractables by GCMS By Method SW846 8270C

<b>Matrix</b> SO	<b>Batch ID:</b> OP8681
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- RPD(s) for MSD for 1-Methylnaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 2,6-Dinitrotoluene, 2-Nitroaniline, 3-Nitroaniline, 4-Chlorophenyl phenyl ether, Acenaphthene, Acenaphthylene, Anthracene, Benzoic acid, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Diphenylamine, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, N-Nitrosodiphenylamine, Naphthalene, Phenanthrene are outside control limits for sample OP8681-MSD. Probable cause due to sample homogeneity.
- OP8681-MSD: Compounds outside control limits due to matrix interference.
- OP8681-MS: Compounds outside control limits due to matrix interference.

### Extractables by GCMS By Method SW846 8270C BY SIM

<b>Matrix</b> AQ	<b>Batch ID:</b> OP8671
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

## Metals By Method SW846 6010B

2

**Matrix** AQ

**Batch ID:** MP7046

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19993-1DUP, T19993-1MS, T19993-1MSD, T19993-1SDL, T19993-1DUP were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Manganese are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Magnesium, Manganese, Zinc are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Duplicate for Zinc, Copper, Selenium are outside control limits for sample MP7046-D1. High RPD due to possible matrix interference.
- RPD(s) for Serial Dilution for Arsenic, Cobalt, Copper, Lead, Nickel, Selenium, Potassium are outside control limits for sample MP7046-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP7046-SD1 for Potassium: Serial dilution indicates possible matrix interference.
- MP7046-D1 for Selenium: RPD acceptable due to low duplicate and sample concentrations.
- MP7046-D1 for Copper: RPD acceptable due to low duplicate and sample concentrations.

**Matrix** SO

**Batch ID:** MP7031

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19987-6DUP, T19987-6MS, T19987-6MSD, T19987-6SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Manganese are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Antimony, Manganese are outside control limits. Probable cause due to matrix interference.
- RPD(s) for Duplicate for Calcium, Manganese are outside control limits for sample MP7031-D1. Probable cause due to sample homogeneity.
- RPD(s) for Serial Dilution for Vanadium, Arsenic, Beryllium, Chromium, Cobalt, Copper, Nickel, Potassium, Silver, Zinc are outside control limits for sample MP7031-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

**Matrix** SO

**Batch ID:** MP7048

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19972-1DUP, T19972-1MS, T19972-1MSD, T19972-1SDL, T19972-1DUP were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Cadmium, Cobalt, Iron, Nickel, Zinc are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Antimony, Arsenic, Cadmium, Chromium, Cobalt, Iron, Nickel, Thallium, Vanadium are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Manganese are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Duplicate for Arsenic, Lead, Manganese, Potassium, Zinc, Barium, Cadmium, Calcium, Cobalt, Magnesium, Nickel, Selenium are outside control limits for sample MP7048-D1. High RPD due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Cadmium, Cobalt, Selenium, Aluminum, Beryllium, Calcium, Iron, Lead, Magnesium, Manganese, Vanadium, Zinc are outside control limits for sample MP7048-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP7048-SD1 for Aluminum: Serial dilution indicates possible matrix interference.
- MP7048-D1 for Barium: RPD acceptable due to low duplicate and sample concentrations.
- MP7048-D1 for Calcium: RPD acceptable due to low duplicate and sample concentrations.

Wednesday, January 02, 2008

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## Metals By Method SW846 6010B

<b>Matrix</b> SO	<b>Batch ID:</b> MP7048
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- MP7048-D1 for Cobalt: RPD acceptable due to low duplicate and sample concentrations.
- MP7048-D1 for Magnesium: RPD acceptable due to low duplicate and sample concentrations.
- MP7048-D1 for Cadmium: RPD acceptable due to low duplicate and sample concentrations.
- MP7048-D1 for Selenium: RPD acceptable due to low duplicate and sample concentrations.
- MP7048-SD1 for Beryllium: Serial dilution indicates possible matrix interference.
- MP7048-SD1 for Calcium: Serial dilution indicates possible matrix interference.
- MP7048-SD1 for Iron: Serial dilution indicates possible matrix interference.
- MP7048-SD1 for Lead: Serial dilution indicates possible matrix interference.
- MP7048-SD1 for Magnesium: Serial dilution indicates possible matrix interference.
- MP7048-SD1 for Manganese: Serial dilution indicates possible matrix interference.
- MP7048-SD1 for Vanadium: Serial dilution indicates possible matrix interference.
- MP7048-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- MP7048-D1 for Nickel: RPD acceptable due to low duplicate and sample concentrations.

<b>Matrix</b> SO	<b>Batch ID:</b> MP7049
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19987-6DUP, T19987-6MS, T19987-6MSD, T19987-6SDL were used as the QC samples for metals.

## Metals By Method SW846 7470A

<b>Matrix</b> AQ	<b>Batch ID:</b> MP7056
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19943-1MS, T19943-1MSD, T19943-1DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Mercury are outside control limits for sample MP7056-D1. RPD acceptable due to low duplicate and sample concentrations.

## Metals By Method SW846 7471A

<b>Matrix</b> SO	<b>Batch ID:</b> MP7051
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19987-6MS, T19987-6MSD, T19987-6DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Mercury are outside control limits for sample MP7051-D1. RPD acceptable due to low duplicate and sample concentrations.

<b>Matrix</b> SO	<b>Batch ID:</b> MP7055
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19972-7DUP, T19972-7MS, T19972-7MSD were used as the QC samples for metals.

### Wet Chemistry By Method EPA 160.3 M

<b>Matrix</b> SO	<b>Batch ID:</b> GN12828
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- Sample(s) T20035-16DUP were used as the QC samples for Solids, Percent.

<b>Matrix</b> SO	<b>Batch ID:</b> GN12829
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- Sample(s) T19987-3DUP were used as the QC samples for Solids, Percent.

<b>Matrix</b> SO	<b>Batch ID:</b> GN12847
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- Sample(s) T19987-6DDUP were used as the QC samples for Solids, Percent.

### Wet Chemistry By Method SW846 3060A/7196A

<b>Matrix</b> SO	<b>Batch ID:</b> F:GN28816
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- Chromium, Hexavalent: Analysis performed at Accutest Laboratories, Orlando, FL.

### Wet Chemistry By Method SW846 7196A

<b>Matrix</b> AQ	<b>Batch ID:</b> GN12777
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19987-14DUP, T19987-14MS were used as the QC samples for Chromium, Hexavalent.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** Accutest Laboratories Gulf Coast, Inc.

**Job No:** T19987

**Site:** KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

**Report Date:** 1/1/2008 2:16:20 PM

9 Samples were collected on 12/05/2007 and were received at Accutest SE on 12/11/2007 properly preserved, at 1.6 Deg. C and intact. These Samples had an Accutest job number of T19987. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Wet Chemistry by Method SW846 3060A/7196A

**Matrix:** SO

**Batch ID:** GN28816

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples T19987-1MS, T19987-1DUP were used as the QC samples for Chromium, Hexavalent.

RPD for Duplicate for Chromium, Hexavalent is outside control limits for sample GN28816-D1. RPD acceptable due to low duplicate and sample concentrations.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: January 1, 2008

\_\_\_\_\_  
Ellen Pampel, Inorganic QA (signature on file)

**Tuesday, January 01, 2008**



## Sample Results

## Report of Analysis

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## Report of Analysis

Client Sample ID:	FR-109	Date Sampled:	12/05/07
Lab Sample ID:	T19987-1	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001144.D	1	12/11/07	LJ	n/a	n/a	VM48
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.27 g	5.0 ml
Run #2		

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0084 U	0.058	0.0084	mg/kg	
71-43-2	Benzene	0.0016 U	0.0058	0.0016	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0058	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0058	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-25-2	Bromoform	0.0014 U	0.0058	0.0014	mg/kg	
71-36-3	n-Butyl Alcohol	0.058 U	0.058	0.058	mg/kg	
104-51-8	n-Butylbenzene	0.0011 U	0.0058	0.0011	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0058	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0016 U	0.0058	0.0016	mg/kg	
75-00-3	Chloroethane	0.0017 U	0.0058	0.0017	mg/kg	
67-66-3	Chloroform	0.0015 U	0.0058	0.0015	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0058	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0013 U	0.0058	0.0013	mg/kg	
75-15-0	Carbon disulfide	0.0015 U	0.012	0.0015	mg/kg	
56-23-5	Carbon tetrachloride	0.0013 U	0.0058	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0013 U	0.0058	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	0.0015 U	0.0058	0.0015	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0058	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0016 U	0.0058	0.0016	mg/kg	
106-93-4	1,2-Dibromoethane	0.0016 U	0.0058	0.0016	mg/kg	
107-06-2	1,2-Dichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
78-87-5	1,2-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.028 U	0.29	0.028	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0058	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0016 U	0.0058	0.0016	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0058	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-109	Date Sampled:	12/05/07
Lab Sample ID:	T19987-1	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0058	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0058	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0058 U	0.0058	0.0058	mg/kg	
110-54-3	Hexane	0.0012 U	0.0058	0.0012	mg/kg	
591-78-6	2-Hexanone	0.0080 U	0.058	0.0080	mg/kg	
87-68-3	Hexachlorobutadiene	0.0014 U	0.0058	0.0014	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0058	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0014 U	0.0058	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0081 U	0.058	0.0081	mg/kg	
74-83-9	Methyl bromide	0.0017 U	0.0058	0.0017	mg/kg	
74-87-3	Methyl chloride	0.0017 U	0.0058	0.0017	mg/kg	
74-95-3	Methylene bromide	0.0023 U	0.0058	0.0023	mg/kg	
75-09-2	Methylene chloride	0.0029 U	0.012	0.0029	mg/kg	
78-93-3	Methyl ethyl ketone	0.0079 U	0.058	0.0079	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0058	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0016 U	0.0058	0.0016	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0014 U	0.0058	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0058	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0014 U	0.0058	0.0014	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0016 U	0.0058	0.0016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0058	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
108-88-3	Toluene	0.0015 U	0.0058	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0058	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0088 U	0.029	0.0088	mg/kg	
1330-20-7	Xylene (total)	0.0044 U	0.017	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		68-127%
2037-26-5	Toluene-D8	122%		76-139%
460-00-4	4-Bromofluorobenzene	118%		68-167%
17060-07-0	1,2-Dichloroethane-D4	91%		56-121%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-109	Date Sampled:	12/05/07
Lab Sample ID:	T19987-1	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24845.D	1	12/13/07	SC	12/07/07	OP8652	EA1542
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzenethiol	0.20 U	0.20	0.20	mg/kg	
65-85-0	Benzoic acid	0.051 U	1.0	0.051	mg/kg	
95-57-8	2-Chlorophenol	0.063 U	0.20	0.063	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.047 U	0.20	0.047	mg/kg	
120-83-2	2,4-Dichlorophenol	0.069 U	0.20	0.069	mg/kg	
105-67-9	2,4-Dimethylphenol	0.065 U	0.20	0.065	mg/kg	
51-28-5	2,4-Dinitrophenol	0.069 U	1.0	0.069	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.13 U	0.41	0.13	mg/kg	
95-48-7	2-Methylphenol	0.045 U	0.20	0.045	mg/kg	
	3&4-Methylphenol	0.067 U	0.20	0.067	mg/kg	
100-02-7	4-Nitrophenol	0.081 U	0.20	0.081	mg/kg	
87-86-5	Pentachlorophenol	0.054 U	1.0	0.054	mg/kg	
108-95-2	Phenol	0.082 U	0.20	0.082	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.057 U	0.20	0.057	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.055 U	0.20	0.055	mg/kg	
83-32-9	Acenaphthene	0.050 U	0.20	0.050	mg/kg	
208-96-8	Acenaphthylene	0.055 U	0.20	0.055	mg/kg	
120-12-7	Anthracene	0.067 U	0.20	0.067	mg/kg	
56-55-3	Benzo(a)anthracene	0.076 U	0.20	0.076	mg/kg	
50-32-8	Benzo(a)pyrene	0.067 U	0.20	0.067	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.086 U	0.20	0.086	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.20	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.094 U	0.20	0.094	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.078 U	0.20	0.078	mg/kg	
85-68-7	Butyl benzyl phthalate	0.098 U	0.20	0.098	mg/kg	
100-51-6	Benzyl Alcohol	0.072 U	0.20	0.072	mg/kg	
91-58-7	2-Chloronaphthalene	0.057 U	0.20	0.057	mg/kg	
106-47-8	4-Chloroaniline	0.058 U	0.20	0.058	mg/kg	
86-74-8	Carbazole	0.088 U	0.20	0.088	mg/kg	
218-01-9	Chrysene	0.067 U	0.20	0.067	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.077 U	0.20	0.077	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.044 U	0.20	0.044	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-109	Date Sampled:	12/05/07
Lab Sample ID:	T19987-1	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.063 U	0.20	0.063	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.070 U	0.20	0.070	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.063 U	0.20	0.063	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.057 U	0.20	0.057	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.090 U	0.20	0.090	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.053 U	0.20	0.053	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.083 U	0.41	0.083	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.20 U	0.20	0.20	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.20 U	0.20	0.20	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.071 U	0.20	0.071	mg/kg	
132-64-9	Dibenzofuran	0.057 U	0.20	0.057	mg/kg	
122-39-4	Diphenylamine	0.090 U	0.20	0.090	mg/kg	
84-74-2	Di-n-butyl phthalate	0.10 U	0.20	0.10	mg/kg	
117-84-0	Di-n-octyl phthalate	0.19 U	0.20	0.19	mg/kg	
84-66-2	Diethyl phthalate	0.057 U	0.20	0.057	mg/kg	
131-11-3	Dimethyl phthalate	0.051 U	0.20	0.051	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.10 U	0.20	0.10	mg/kg	
206-44-0	Fluoranthene	0.092 U	0.20	0.092	mg/kg	
86-73-7	Fluorene	0.062 U	0.20	0.062	mg/kg	
118-74-1	Hexachlorobenzene	0.067 U	0.20	0.067	mg/kg	
87-68-3	Hexachlorobutadiene	0.062 U	0.20	0.062	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.074 U	0.20	0.074	mg/kg	
67-72-1	Hexachloroethane	0.060 U	0.20	0.060	mg/kg	
95-13-6	Indene	1.0 U	1.0	1.0	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.079 U	0.20	0.079	mg/kg	
78-59-1	Isophorone	0.054 U	0.20	0.054	mg/kg	
90-12-0	1-Methylnaphthalene	0.049 U	0.20	0.049	mg/kg	
91-57-6	2-Methylnaphthalene	0.054 U	0.20	0.054	mg/kg	
	6-Methyl Chrysene	0.20 U	0.20	0.20	mg/kg	
88-74-4	2-Nitroaniline	0.053 U	0.20	0.053	mg/kg	
99-09-2	3-Nitroaniline	0.077 U	0.20	0.077	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.20	0.11	mg/kg	
91-20-3	Naphthalene	0.050 U	0.20	0.050	mg/kg	
98-95-3	Nitrobenzene	0.057 U	0.20	0.057	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.082 U	0.20	0.082	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.090 U	0.20	0.090	mg/kg	
85-01-8	Phenanthrene	0.076 U	0.20	0.076	mg/kg	
129-00-0	Pyrene	0.10 U	0.20	0.10	mg/kg	
91-22-5	Quinoline	0.20 U	0.20	0.20	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.054 U	0.20	0.054	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-109	
<b>Lab Sample ID:</b> T19987-1	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3550B	<b>Percent Solids:</b> 81.4
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**SW-846 8270C**

CAS No.	Compound	Result	MQL	SDL	Units	Q
	1,3&1,4-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
931-17-9	1,2-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
98-85-1	1-Phenylethanol	0.20 U	0.20	0.20	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		26-124%
4165-62-2	Phenol-d5	45%		19-106%
118-79-6	2,4,6-Tribromophenol	67%		18-129%
4165-60-0	Nitrobenzene-d5	45%		18-104%
321-60-8	2-Fluorobiphenyl	48%		21-114%
1718-51-0	Terphenyl-d14	63%		24-149%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-109	Date Sampled:	12/05/07
Lab Sample ID:	T19987-1	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	81.4
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	9850	24	5.3	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Antimony	0.33 U	1.2	0.33	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Arsenic	2.8	1.2	0.24	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Barium	177	24	0.073	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.34 B	0.61	0.024	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cadmium	0.12 U	0.61	0.12	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Calcium	37600	610	2.1	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Chromium	7.8	1.2	0.085	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cobalt	2.8 B	6.1	0.22	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Copper	4.5	3.0	0.16	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Iron	7510	11	2.5	mg/kg	1	12/17/07	12/18/07	NS SW846 6010B <sup>3</sup>	SW846 3050B <sup>5</sup>
Lead	20.9	1.2	0.49	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Magnesium	4220	610	1.4	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Manganese	155	1.8	0.085	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Mercury	0.0079 B	0.018	0.00072	mg/kg	1	12/17/07	12/17/07	NS SW846 7471A <sup>2</sup>	SW846 7471A <sup>6</sup>
Nickel	4.2 B	4.9	0.16	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Potassium	2290	610	38	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Selenium	0.29 U	1.2	0.29	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Silver	0.097 U	1.2	0.097	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Sodium	13300	610	33	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Thallium	0.61 U	2.4	0.61	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Vanadium	15.8	6.1	0.15	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Zinc	31.8	2.4	0.49	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>

- (1) Instrument QC Batch: MA3281  
(2) Instrument QC Batch: MA3282  
(3) Instrument QC Batch: MA3284  
(4) Prep QC Batch: MP7031  
(5) Prep QC Batch: MP7049  
(6) Prep QC Batch: MP7051

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-109		<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-1		<b>Date Received:</b> 12/06/07
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 81.4
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

**General Chemistry**

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent <sup>a</sup>	1.2 U	2.5	1.2	mg/kg	1	12/26/07	AFL	SW846 3060A/7196A
Solids, Percent	81.4			%	1	12/14/07	SS	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-110	Date Sampled:	12/05/07
Lab Sample ID:	T19987-2	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001145.D	1	12/11/07	LJ	n/a	n/a	VM48
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0150	0.060	0.0086	mg/kg	J
71-43-2	Benzene	0.0017 U	0.0060	0.0017	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0060	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0060	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0017 U	0.0060	0.0017	mg/kg	
75-25-2	Bromoform	0.0015 U	0.0060	0.0015	mg/kg	
71-36-3	n-Butyl Alcohol	0.060 U	0.060	0.060	mg/kg	
104-51-8	n-Butylbenzene	0.0012 U	0.0060	0.0012	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0060	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0017 U	0.0060	0.0017	mg/kg	
75-00-3	Chloroethane	0.0017 U	0.0060	0.0017	mg/kg	
67-66-3	Chloroform	0.0015 U	0.0060	0.0015	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0060	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0014 U	0.0060	0.0014	mg/kg	
75-15-0	Carbon disulfide	0.0015 U	0.012	0.0015	mg/kg	
56-23-5	Carbon tetrachloride	0.0013 U	0.0060	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0014 U	0.0060	0.0014	mg/kg	
75-34-3	1,1-Dichloroethane	0.0016 U	0.0060	0.0016	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0060	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0060	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0017 U	0.0060	0.0017	mg/kg	
106-93-4	1,2-Dibromoethane	0.0017 U	0.0060	0.0017	mg/kg	
107-06-2	1,2-Dichloroethane	0.0016 U	0.0060	0.0016	mg/kg	
78-87-5	1,2-Dichloropropane	0.0018 U	0.0060	0.0018	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0060	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.029 U	0.30	0.029	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0060	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0017 U	0.0060	0.0017	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0013 U	0.0060	0.0013	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0016 U	0.0060	0.0016	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0060	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0016 U	0.0060	0.0016	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-110	Date Sampled:	12/05/07
Lab Sample ID:	T19987-2	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0060	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0060	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0060 U	0.0060	0.0060	mg/kg	
110-54-3	Hexane	0.0013 U	0.0060	0.0013	mg/kg	
591-78-6	2-Hexanone	0.0082 U	0.060	0.0082	mg/kg	
87-68-3	Hexachlorobutadiene	0.0014 U	0.0060	0.0014	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0060	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0014 U	0.0060	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0084 U	0.060	0.0084	mg/kg	
74-83-9	Methyl bromide	0.0018 U	0.0060	0.0018	mg/kg	
74-87-3	Methyl chloride	0.0017 U	0.0060	0.0017	mg/kg	
74-95-3	Methylene bromide	0.0024 U	0.0060	0.0024	mg/kg	
75-09-2	Methylene chloride	0.0029 U	0.012	0.0029	mg/kg	
78-93-3	Methyl ethyl ketone	0.0081 U	0.060	0.0081	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0060	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0060	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0017 U	0.0060	0.0017	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0014 U	0.0060	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0060	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0017 U	0.0060	0.0017	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0014 U	0.0060	0.0014	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0017 U	0.0060	0.0017	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0060	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0013 U	0.0060	0.0013	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0060	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0016 U	0.0060	0.0016	mg/kg	
108-88-3	Toluene	0.0015 U	0.0060	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0015 U	0.0060	0.0015	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0060	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0060	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0091 U	0.030	0.0091	mg/kg	
1330-20-7	Xylene (total)	0.0045 U	0.018	0.0045	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		68-127%
2037-26-5	Toluene-D8	119%		76-139%
460-00-4	4-Bromofluorobenzene	116%		68-167%
17060-07-0	1,2-Dichloroethane-D4	95%		56-121%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-110	Date Sampled:	12/05/07
Lab Sample ID:	T19987-2	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24822.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzenethiol	0.20 U	0.20	0.20	mg/kg	
65-85-0	Benzoic acid	0.050 U	0.99	0.050	mg/kg	
95-57-8	2-Chlorophenol	0.061 U	0.20	0.061	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.045 U	0.20	0.045	mg/kg	
120-83-2	2,4-Dichlorophenol	0.067 U	0.20	0.067	mg/kg	
105-67-9	2,4-Dimethylphenol	0.063 U	0.20	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	0.067 U	0.99	0.067	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.13 U	0.40	0.13	mg/kg	
95-48-7	2-Methylphenol	0.043 U	0.20	0.043	mg/kg	
	3&4-Methylphenol	0.065 U	0.20	0.065	mg/kg	
100-02-7	4-Nitrophenol	0.078 U	0.20	0.078	mg/kg	
87-86-5	Pentachlorophenol	0.052 U	0.99	0.052	mg/kg	
108-95-2	Phenol	0.080 U	0.20	0.080	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.056 U	0.20	0.056	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.053 U	0.20	0.053	mg/kg	
83-32-9	Acenaphthene	0.048 U	0.20	0.048	mg/kg	
208-96-8	Acenaphthylene	0.054 U	0.20	0.054	mg/kg	
120-12-7	Anthracene	0.065 U	0.20	0.065	mg/kg	
56-55-3	Benzo(a)anthracene	0.074 U	0.20	0.074	mg/kg	
50-32-8	Benzo(a)pyrene	0.065 U	0.20	0.065	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.084 U	0.20	0.084	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.20	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.091 U	0.20	0.091	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.076 U	0.20	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	0.095 U	0.20	0.095	mg/kg	
100-51-6	Benzyl Alcohol	0.070 U	0.20	0.070	mg/kg	
91-58-7	2-Chloronaphthalene	0.055 U	0.20	0.055	mg/kg	
106-47-8	4-Chloroaniline	0.056 U	0.20	0.056	mg/kg	
86-74-8	Carbazole	0.085 U	0.20	0.085	mg/kg	
218-01-9	Chrysene	0.065 U	0.20	0.065	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.074 U	0.20	0.074	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.042 U	0.20	0.042	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-110	Date Sampled:	12/05/07
Lab Sample ID:	T19987-2	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.061 U	0.20	0.061	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.067 U	0.20	0.067	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.061 U	0.20	0.061	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.055 U	0.20	0.055	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.087 U	0.20	0.087	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.051 U	0.20	0.051	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.081 U	0.40	0.081	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.20 U	0.20	0.20	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.20 U	0.20	0.20	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.069 U	0.20	0.069	mg/kg	
132-64-9	Dibenzofuran	0.055 U	0.20	0.055	mg/kg	
122-39-4	Diphenylamine	0.087 U	0.20	0.087	mg/kg	
84-74-2	Di-n-butyl phthalate	0.097 U	0.20	0.097	mg/kg	
117-84-0	Di-n-octyl phthalate	0.18 U	0.20	0.18	mg/kg	
84-66-2	Diethyl phthalate	0.055 U	0.20	0.055	mg/kg	
131-11-3	Dimethyl phthalate	0.049 U	0.20	0.049	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.099 U	0.20	0.099	mg/kg	
206-44-0	Fluoranthene	0.089 U	0.20	0.089	mg/kg	
86-73-7	Fluorene	0.060 U	0.20	0.060	mg/kg	
118-74-1	Hexachlorobenzene	0.065 U	0.20	0.065	mg/kg	
87-68-3	Hexachlorobutadiene	0.060 U	0.20	0.060	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.072 U	0.20	0.072	mg/kg	
67-72-1	Hexachloroethane	0.058 U	0.20	0.058	mg/kg	
95-13-6	Indene	0.99 U	0.99	0.99	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.077 U	0.20	0.077	mg/kg	
78-59-1	Isophorone	0.052 U	0.20	0.052	mg/kg	
90-12-0	1-Methylnaphthalene	0.047 U	0.20	0.047	mg/kg	
91-57-6	2-Methylnaphthalene	0.053 U	0.20	0.053	mg/kg	
	6-Methyl Chrysene	0.20 U	0.20	0.20	mg/kg	
88-74-4	2-Nitroaniline	0.052 U	0.20	0.052	mg/kg	
99-09-2	3-Nitroaniline	0.074 U	0.20	0.074	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.20	0.11	mg/kg	
91-20-3	Naphthalene	0.048 U	0.20	0.048	mg/kg	
98-95-3	Nitrobenzene	0.056 U	0.20	0.056	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.080 U	0.20	0.080	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.087 U	0.20	0.087	mg/kg	
85-01-8	Phenanthrene	0.074 U	0.20	0.074	mg/kg	
129-00-0	Pyrene	0.097 U	0.20	0.097	mg/kg	
91-22-5	Quinoline	0.20 U	0.20	0.20	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.052 U	0.20	0.052	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-110	
<b>Lab Sample ID:</b> T19987-2	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3550B	<b>Percent Solids:</b> 83.0
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**SW-846 8270C**

CAS No.	Compound	Result	MQL	SDL	Units	Q
	1,3&1,4-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
931-17-9	1,2-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
98-85-1	1-Phenylethanol	0.20 U	0.20	0.20	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		26-124%
4165-62-2	Phenol-d5	64%		19-106%
118-79-6	2,4,6-Tribromophenol	72%		18-129%
4165-60-0	Nitrobenzene-d5	64%		18-104%
321-60-8	2-Fluorobiphenyl	68%		21-114%
1718-51-0	Terphenyl-d14	72%		24-149%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-110	Date Sampled:	12/05/07
Lab Sample ID:	T19987-2	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.0
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	1830	22	4.8	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Antimony	0.30 U	1.1	0.30	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Arsenic	0.72 B	1.1	0.22	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Barium	70.6	22	0.066	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.044 B	0.55	0.022	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cadmium	0.11 U	0.55	0.11	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Calcium	8490	550	1.9	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Chromium	2.9	1.1	0.077	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cobalt	0.82 B	5.5	0.20	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Copper	0.95 B	2.8	0.14	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Iron	1570	10	2.3	mg/kg	1	12/17/07	12/18/07	NS SW846 6010B <sup>3</sup>	SW846 3050B <sup>5</sup>
Lead	2.6	1.1	0.44	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Magnesium	1300	550	1.3	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Manganese	92.3	1.7	0.077	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Mercury	0.0036 B	0.018	0.00072	mg/kg	1	12/17/07	12/17/07	NS SW846 7471A <sup>2</sup>	SW846 7471A <sup>6</sup>
Nickel	0.90 B	4.4	0.14	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Potassium	349 B	550	34	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Selenium	0.26 U	1.1	0.26	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Silver	0.088 U	1.1	0.088	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Sodium	1360	550	30	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Thallium	0.55 U	2.2	0.55	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Vanadium	2.5 B	5.5	0.13	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Zinc	4.1	2.2	0.44	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>

- (1) Instrument QC Batch: MA3281  
(2) Instrument QC Batch: MA3282  
(3) Instrument QC Batch: MA3284  
(4) Prep QC Batch: MP7031  
(5) Prep QC Batch: MP7049  
(6) Prep QC Batch: MP7051

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-110	<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-2	<b>Date Received:</b> 12/06/07
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 83.0
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

### General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent <sup>a</sup>	1.2 U	2.4	1.2	mg/kg	1	12/26/07	AFL	SW846 3060A/7196A
Solids, Percent	83			%	1	12/14/07	SS	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-111	Date Sampled:	12/05/07
Lab Sample ID:	T19987-3	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001146.D	1	12/11/07	LJ	n/a	n/a	VM48
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.18 g	5.0 ml
Run #2		

## SW-846 8260B

CAS No.	Compound	Result	ML	SDL	Units	Q
67-64-1	Acetone	0.0247	0.058	0.0084	mg/kg	J
71-43-2	Benzene	0.0016 U	0.0058	0.0016	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0058	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0058	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-25-2	Bromoform	0.0014 U	0.0058	0.0014	mg/kg	
71-36-3	n-Butyl Alcohol	0.058 U	0.058	0.058	mg/kg	
104-51-8	n-Butylbenzene	0.0011 U	0.0058	0.0011	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0058	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0016 U	0.0058	0.0016	mg/kg	
75-00-3	Chloroethane	0.0017 U	0.0058	0.0017	mg/kg	
67-66-3	Chloroform	0.0015 U	0.0058	0.0015	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0058	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0013 U	0.0058	0.0013	mg/kg	
75-15-0	Carbon disulfide	0.0016	0.012	0.0015	mg/kg	J
56-23-5	Carbon tetrachloride	0.0013 U	0.0058	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0013 U	0.0058	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	0.0015 U	0.0058	0.0015	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0058	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0016 U	0.0058	0.0016	mg/kg	
106-93-4	1,2-Dibromoethane	0.0016 U	0.0058	0.0016	mg/kg	
107-06-2	1,2-Dichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
78-87-5	1,2-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.028 U	0.29	0.028	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0058	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0016 U	0.0058	0.0016	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0058	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-111	Date Sampled:	12/05/07
Lab Sample ID:	T19987-3	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0058	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0058	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0058 U	0.0058	0.0058	mg/kg	
110-54-3	Hexane	0.0012 U	0.0058	0.0012	mg/kg	
591-78-6	2-Hexanone	0.0080 U	0.058	0.0080	mg/kg	
87-68-3	Hexachlorobutadiene	0.0014 U	0.0058	0.0014	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0058	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0014 U	0.0058	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0082 U	0.058	0.0082	mg/kg	
74-83-9	Methyl bromide	0.0018 U	0.0058	0.0018	mg/kg	
74-87-3	Methyl chloride	0.0017 U	0.0058	0.0017	mg/kg	
74-95-3	Methylene bromide	0.0023 U	0.0058	0.0023	mg/kg	
75-09-2	Methylene chloride	0.0029 U	0.012	0.0029	mg/kg	
78-93-3	Methyl ethyl ketone	0.0079 U	0.058	0.0079	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0058	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0016 U	0.0058	0.0016	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0014 U	0.0058	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0058	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0014 U	0.0058	0.0014	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0016 U	0.0058	0.0016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0058	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
108-88-3	Toluene	0.0015 U	0.0058	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0058	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0089 U	0.029	0.0089	mg/kg	
1330-20-7	Xylene (total)	0.0044 U	0.018	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		68-127%
2037-26-5	Toluene-D8	116%		76-139%
460-00-4	4-Bromofluorobenzene	112%		68-167%
17060-07-0	1,2-Dichloroethane-D4	102%		56-121%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-111	Date Sampled:	12/05/07
Lab Sample ID:	T19987-3	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24836.D	1	12/12/07	SC	12/07/07	OP8657	EA1541
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzenethiol	0.20 U	0.20	0.20	mg/kg	
65-85-0	Benzoic acid	0.050 U	1.0	0.050	mg/kg	
95-57-8	2-Chlorophenol	0.061 U	0.20	0.061	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.045 U	0.20	0.045	mg/kg	
120-83-2	2,4-Dichlorophenol	0.067 U	0.20	0.067	mg/kg	
105-67-9	2,4-Dimethylphenol	0.063 U	0.20	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	0.067 U	1.0	0.067	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.13 U	0.40	0.13	mg/kg	
95-48-7	2-Methylphenol	0.043 U	0.20	0.043	mg/kg	
	3&4-Methylphenol	0.065 U	0.20	0.065	mg/kg	
100-02-7	4-Nitrophenol	0.079 U	0.20	0.079	mg/kg	
87-86-5	Pentachlorophenol	0.053 U	1.0	0.053	mg/kg	
108-95-2	Phenol	0.080 U	0.20	0.080	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.056 U	0.20	0.056	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.053 U	0.20	0.053	mg/kg	
83-32-9	Acenaphthene	0.048 U	0.20	0.048	mg/kg	
208-96-8	Acenaphthylene	0.054 U	0.20	0.054	mg/kg	
120-12-7	Anthracene	0.065 U	0.20	0.065	mg/kg	
56-55-3	Benzo(a)anthracene	0.074 U	0.20	0.074	mg/kg	
50-32-8	Benzo(a)pyrene	0.065 U	0.20	0.065	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.084 U	0.20	0.084	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.20	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.092 U	0.20	0.092	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.076 U	0.20	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	0.095 U	0.20	0.095	mg/kg	
100-51-6	Benzyl Alcohol	0.071 U	0.20	0.071	mg/kg	
91-58-7	2-Chloronaphthalene	0.055 U	0.20	0.055	mg/kg	
106-47-8	4-Chloroaniline	0.056 U	0.20	0.056	mg/kg	
86-74-8	Carbazole	0.086 U	0.20	0.086	mg/kg	
218-01-9	Chrysene	0.065 U	0.20	0.065	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.075 U	0.20	0.075	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.043 U	0.20	0.043	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-111	Date Sampled:	12/05/07
Lab Sample ID:	T19987-3	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.061 U	0.20	0.061	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.068 U	0.20	0.068	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.062 U	0.20	0.062	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.055 U	0.20	0.055	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.087 U	0.20	0.087	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.051 U	0.20	0.051	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.081 U	0.40	0.081	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.20 U	0.20	0.20	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.20 U	0.20	0.20	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.069 U	0.20	0.069	mg/kg	
132-64-9	Dibenzofuran	0.055 U	0.20	0.055	mg/kg	
122-39-4	Diphenylamine	0.087 U	0.20	0.087	mg/kg	
84-74-2	Di-n-butyl phthalate	0.098 U	0.20	0.098	mg/kg	
117-84-0	Di-n-octyl phthalate	0.18 U	0.20	0.18	mg/kg	
84-66-2	Diethyl phthalate	0.055 U	0.20	0.055	mg/kg	
131-11-3	Dimethyl phthalate	0.049 U	0.20	0.049	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.099 U	0.20	0.099	mg/kg	
206-44-0	Fluoranthene	0.090 U	0.20	0.090	mg/kg	
86-73-7	Fluorene	0.061 U	0.20	0.061	mg/kg	
118-74-1	Hexachlorobenzene	0.065 U	0.20	0.065	mg/kg	
87-68-3	Hexachlorobutadiene	0.061 U	0.20	0.061	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.072 U	0.20	0.072	mg/kg	
67-72-1	Hexachloroethane	0.059 U	0.20	0.059	mg/kg	
95-13-6	Indene	1.0 U	1.0	1.0	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.077 U	0.20	0.077	mg/kg	
78-59-1	Isophorone	0.052 U	0.20	0.052	mg/kg	
90-12-0	1-Methylnaphthalene	0.047 U	0.20	0.047	mg/kg	
91-57-6	2-Methylnaphthalene	0.053 U	0.20	0.053	mg/kg	
	6-Methyl Chrysene	0.20 U	0.20	0.20	mg/kg	
88-74-4	2-Nitroaniline	0.052 U	0.20	0.052	mg/kg	
99-09-2	3-Nitroaniline	0.075 U	0.20	0.075	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.20	0.11	mg/kg	
91-20-3	Naphthalene	0.048 U	0.20	0.048	mg/kg	
98-95-3	Nitrobenzene	0.056 U	0.20	0.056	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.080 U	0.20	0.080	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.087 U	0.20	0.087	mg/kg	
85-01-8	Phenanthrene	0.074 U	0.20	0.074	mg/kg	
129-00-0	Pyrene	0.097 U	0.20	0.097	mg/kg	
91-22-5	Quinoline	0.20 U	0.20	0.20	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.052 U	0.20	0.052	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-111	
<b>Lab Sample ID:</b> T19987-3	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3550B	<b>Percent Solids:</b> 82.7
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**SW-846 8270C**

CAS No.	Compound	Result	MQL	SDL	Units	Q
	1,3&1,4-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
931-17-9	1,2-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
98-85-1	1-Phenylethanol	0.20 U	0.20	0.20	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		26-124%
4165-62-2	Phenol-d5	61%		19-106%
118-79-6	2,4,6-Tribromophenol	75%		18-129%
4165-60-0	Nitrobenzene-d5	63%		18-104%
321-60-8	2-Fluorobiphenyl	66%		21-114%
1718-51-0	Terphenyl-d14	86%		24-149%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-111	Date Sampled:	12/05/07
Lab Sample ID:	T19987-3	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	82.7
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	1160	24	5.2	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Antimony	0.32 U	1.2	0.32	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Arsenic	0.52 B	1.2	0.24	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Barium	48.7	24	0.071	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.045 B	0.59	0.024	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cadmium	0.12 U	0.59	0.12	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Calcium	3630	590	2.0	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Chromium	1.7	1.2	0.083	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cobalt	0.61 B	5.9	0.21	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Copper	0.50 B	3.0	0.15	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Iron	1130	9.4	2.1	mg/kg	1	12/17/07	12/18/07	NS SW846 6010B <sup>3</sup>	SW846 3050B <sup>5</sup>
Lead	1.7	1.2	0.47	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Magnesium	573 B	590	1.4	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Manganese	47.8	1.8	0.083	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Mercury	0.0056 B	0.019	0.00076	mg/kg	1	12/17/07	12/17/07	NS SW846 7471A <sup>2</sup>	SW846 7471A <sup>6</sup>
Nickel	0.42 B	4.7	0.15	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Potassium	212 B	590	37	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Selenium	0.28 U	1.2	0.28	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Silver	0.094 U	1.2	0.094	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Sodium	1180	590	32	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Thallium	0.59 U	2.4	0.59	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Vanadium	1.4 B	5.9	0.14	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Zinc	2.1 B	2.4	0.47	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>

- (1) Instrument QC Batch: MA3281  
(2) Instrument QC Batch: MA3282  
(3) Instrument QC Batch: MA3284  
(4) Prep QC Batch: MP7031  
(5) Prep QC Batch: MP7049  
(6) Prep QC Batch: MP7051

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis



<b>Client Sample ID:</b> FR-111	<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-3	<b>Date Received:</b> 12/06/07
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 82.7
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

### General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent <sup>a</sup>	1.2 U	2.4	1.2	mg/kg	1	12/26/07	AFL	SW846 3060A/7196A
Solids, Percent	82.7			%	1	12/14/07	SS	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-112	Date Sampled:	12/05/07
Lab Sample ID:	T19987-4	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088673.D	1	12/09/07	ZLH	n/a	n/a	VF2797
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0036	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-112	Date Sampled:	12/05/07
Lab Sample ID:	T19987-4	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-125%
17060-07-0	1,2-Dichloroethane-D4	103%		69-128%
2037-26-5	Toluene-D8	103%		80-121%
460-00-4	4-Bromofluorobenzene	114%		69-142%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-112	Date Sampled:	12/05/07
Lab Sample ID:	T19987-4	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H24671.D	1	12/09/07	SC	12/08/07	OP8660	EH1386
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	ML	SDL	Units	Q
108-98-5	Benzenethiol	0.010 U	0.010	0.010	mg/l	
65-85-0	Benzoic Acid	0.00058 U	0.010	0.00058	mg/l	
95-57-8	2-Chlorophenol	0.0014 U	0.0050	0.0014	mg/l	
59-50-7	4-Chloro-3-methyl phenol	0.0012 U	0.0050	0.0012	mg/l	
120-83-2	2,4-Dichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
105-67-9	2,4-Dimethylphenol	0.0026 U	0.0050	0.0026	mg/l	
51-28-5	2,4-Dinitrophenol	0.0024 U	0.025	0.0024	mg/l	
534-52-1	4,6-Dinitro-o-cresol	0.0039 U	0.010	0.0039	mg/l	
95-48-7	2-Methylphenol	0.0012 U	0.0050	0.0012	mg/l	
	3&4-Methylphenol	0.0011 U	0.0050	0.0011	mg/l	
100-02-7	4-Nitrophenol	0.0017 U	0.025	0.0017	mg/l	
87-86-5	Pentachlorophenol	0.0040 U	0.025	0.0040	mg/l	
108-95-2	Phenol	0.00052 U	0.0050	0.00052	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.0015 U	0.0050	0.0015	mg/l	
83-32-9	Acenaphthene	0.0015 U	0.0050	0.0015	mg/l	
208-96-8	Acenaphthylene	0.0016 U	0.0050	0.0016	mg/l	
120-12-7	Anthracene	0.0018 U	0.0050	0.0018	mg/l	
191-24-2	Benzo(g,h,i)perylene	0.0025 U	0.0050	0.0025	mg/l	
101-55-3	4-Bromophenyl phenyl ether	0.0021 U	0.0050	0.0021	mg/l	
85-68-7	Butyl benzyl phthalate	0.0017 U	0.0050	0.0017	mg/l	
100-51-6	Benzyl Alcohol	0.0019 U	0.0050	0.0019	mg/l	
91-58-7	2-Chloronaphthalene	0.0012 U	0.0050	0.0012	mg/l	
106-47-8	4-Chloroaniline	0.0016 U	0.0050	0.0016	mg/l	
86-74-8	Carbazole	0.0017 U	0.0050	0.0017	mg/l	
218-01-9	Chrysene	0.0013 U	0.0050	0.0013	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	0.0016 U	0.0050	0.0016	mg/l	
111-44-4	bis(2-Chloroethyl)ether	0.0012 U	0.0050	0.0012	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	0.0015 U	0.0050	0.0015	mg/l	
95-50-1	1,2-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
541-73-1	1,3-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0015 U	0.0050	0.0015	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-112	Date Sampled:	12/05/07
Lab Sample ID:	T19987-4	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
121-14-2	2,4-Dinitrotoluene	0.0024 U	0.0050	0.0024	mg/l	
606-20-2	2,6-Dinitrotoluene	0.0017 U	0.0050	0.0017	mg/l	
91-94-1	3,3'-Dichlorobenzidine	0.0037 U	0.010	0.0037	mg/l	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.0050 U	0.0050	0.0050	mg/l	
226-36-8	Dibenz(a,h)acridine	0.0010 U	0.0050	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	0.0013 U	0.0050	0.0013	mg/l	
132-64-9	Dibenzofuran	0.0023 U	0.0050	0.0023	mg/l	
122-39-4	Diphenylamine	0.0019 U	0.0050	0.0019	mg/l	
84-74-2	Di-n-butyl phthalate	0.0016 U	0.0050	0.0016	mg/l	
117-84-0	Di-n-octyl phthalate	0.0013 U	0.0050	0.0013	mg/l	
84-66-2	Diethyl phthalate	0.0011 U	0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	0.0018 U	0.0050	0.0018	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0015 U	0.0050	0.0015	mg/l	
206-44-0	Fluoranthene	0.0016 U	0.0050	0.0016	mg/l	
86-73-7	Fluorene	0.0021 U	0.0050	0.0021	mg/l	
118-74-1	Hexachlorobenzene	0.0019 U	0.0050	0.0019	mg/l	
87-68-3	Hexachlorobutadiene	0.0019 U	0.0050	0.0019	mg/l	
77-47-4	Hexachlorocyclopentadiene	0.0014 U	0.0050	0.0014	mg/l	
67-72-1	Hexachloroethane	0.0017 U	0.0050	0.0017	mg/l	
95-13-6	Indene	0.014 U	0.015	0.014	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0024 U	0.0050	0.0024	mg/l	
78-59-1	Isophorone	0.0012 U	0.0050	0.0012	mg/l	
90-12-0	1-Methylnaphthalene	0.0017 U	0.0050	0.0017	mg/l	
91-57-6	2-Methylnaphthalene	0.0020 U	0.0050	0.0020	mg/l	
	6-Methyl Chrysene	0.050 U	0.0050	0.050	mg/l	
88-74-4	2-Nitroaniline	0.0021 U	0.0050	0.0021	mg/l	
99-09-2	3-Nitroaniline	0.0027 U	0.0050	0.0027	mg/l	
100-01-6	4-Nitroaniline	0.0050 U	0.0050	0.0050	mg/l	
91-20-3	Naphthalene	0.0015 U	0.0050	0.0015	mg/l	
98-95-3	Nitrobenzene	0.0014 U	0.0050	0.0014	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	0.0017 U	0.0050	0.0017	mg/l	
86-30-6	N-Nitrosodiphenylamine	0.0019 U	0.0050	0.0019	mg/l	
85-01-8	Phenanthrene	0.0016 U	0.0050	0.0016	mg/l	
129-00-0	Pyrene	0.0011 U	0.0050	0.0011	mg/l	
91-22-5	Quinoline	0.0010 U	0.0050	0.0010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.0010 U	0.0050	0.0010	mg/l	
98-85-1	1-Phenylethanol	0.0050 U	0.0050	0.0050	mg/l	
931-17-9	1,2-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	
	1,3&1,4-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-112		
<b>Lab Sample ID:</b> T19987-4		<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water		<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3510C		<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-66%
4165-62-2	Phenol-d5	28%		10-53%
118-79-6	2,4,6-Tribromophenol	83%		32-128%
4165-60-0	Nitrobenzene-d5	68%		29-115%
321-60-8	2-Fluorobiphenyl	70%		34-113%
1718-51-0	Terphenyl-d14	65%		12-145%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-112	
<b>Lab Sample ID:</b> T19987-4	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C BY SIM SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24742.D	1	12/09/07	SC	12/08/07	OP8671	EA1538
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

**BN PAH List**

CAS No.	Compound	Result	MQL	SDL	Units	Q
56-55-3	Benzo(a)anthracene	0.000055 U	0.00020	0.000055	mg/l	
50-32-8	Benzo(a)pyrene	0.000099 U	0.00020	0.000099	mg/l	
205-99-2	Benzo(b)fluoranthene	0.000056 U	0.00020	0.000056	mg/l	
207-08-9	Benzo(k)fluoranthene	0.000046 U	0.00020	0.000046	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-112	Date Sampled:	12/05/07
Lab Sample ID:	T19987-4	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	777	200	86	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Antimony	3.3 B	5.0	2.7	ug/l	1	12/17/07	12/19/07	NS SW846 6010B <sup>4</sup>	SW846 3010A <sup>5</sup>
Arsenic	2.7 U	5.0	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Barium	295	200	2.4	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Beryllium	0.26 U	5.0	0.26	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Cadmium	1.8 U	4.0	1.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Calcium	117000	5000	170	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Chromium	1.5 U	10	1.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Cobalt	9.6 U	50	9.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Copper	5.9 U	25	5.9	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Iron	1390	100	24	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Lead	4.4	3.0	2.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Magnesium	285000	5000	13	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Manganese	776	15	4.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Mercury	0.094 U	0.20	0.094	ug/l	1	12/18/07	12/18/07	NS SW846 7470A <sup>2</sup>	SW846 7470A <sup>6</sup>
Nickel	3.5 B	40	2.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Potassium	120000	25000	800	ug/l	5	12/17/07	12/18/07	NS SW846 6010B <sup>3</sup>	SW846 3010A <sup>5</sup>
Selenium	2.3 U	5.0	2.3	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Silver	1.1 U	10	1.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Sodium	3840000	50000	3300	ug/l	10	12/17/07	12/19/07	NS SW846 6010B <sup>4</sup>	SW846 3010A <sup>5</sup>
Thallium	2.7 U	10	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Vanadium	1.1 B	50	0.94	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Zinc	56.4	20	7.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>

- (1) Instrument QC Batch: MA3284  
(2) Instrument QC Batch: MA3286  
(3) Instrument QC Batch: MA3287  
(4) Instrument QC Batch: MA3290  
(5) Prep QC Batch: MP7046  
(6) Prep QC Batch: MP7056

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-112		<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-4		<b>Date Received:</b> 12/06/07
<b>Matrix:</b> AQ - Water		<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

**General Chemistry**

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.0040 U	0.010	0.0040	mg/l	1	12/06/07 08:00	SS	SW846 7196A

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-113	Date Sampled:	12/05/07
Lab Sample ID:	T19987-5	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001147.D	1	12/11/07	LJ	n/a	n/a	VM48
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.20 g	5.0 ml
Run #2		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0092 U	0.064	0.0092	mg/kg	
71-43-2	Benzene	0.0018 U	0.0064	0.0018	mg/kg	
108-86-1	Bromobenzene	0.0016 U	0.0064	0.0016	mg/kg	
74-97-5	Bromochloromethane	0.0018 U	0.0064	0.0018	mg/kg	
75-27-4	Bromodichloromethane	0.0018 U	0.0064	0.0018	mg/kg	
75-25-2	Bromoform	0.0016 U	0.0064	0.0016	mg/kg	
71-36-3	n-Butyl Alcohol	0.064 U	0.064	0.064	mg/kg	
104-51-8	n-Butylbenzene	0.0012 U	0.0064	0.0012	mg/kg	
98-06-6	tert-Butylbenzene	0.0013 U	0.0064	0.0013	mg/kg	
108-90-7	Chlorobenzene	0.0018 U	0.0064	0.0018	mg/kg	
75-00-3	Chloroethane	0.0018 U	0.0064	0.0018	mg/kg	
67-66-3	Chloroform	0.0016 U	0.0064	0.0016	mg/kg	
95-49-8	o-Chlorotoluene	0.0015 U	0.0064	0.0015	mg/kg	
106-43-4	p-Chlorotoluene	0.0014 U	0.0064	0.0014	mg/kg	
75-15-0	Carbon disulfide	0.0016 U	0.013	0.0016	mg/kg	
56-23-5	Carbon tetrachloride	0.0014 U	0.0064	0.0014	mg/kg	
110-82-7	Cyclohexane	0.0015 U	0.0064	0.0015	mg/kg	
75-34-3	1,1-Dichloroethane	0.0017 U	0.0064	0.0017	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0016 U	0.0064	0.0016	mg/kg	
563-58-6	1,1-Dichloropropene	0.0015 U	0.0064	0.0015	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0018 U	0.0064	0.0018	mg/kg	
106-93-4	1,2-Dibromoethane	0.0018 U	0.0064	0.0018	mg/kg	
107-06-2	1,2-Dichloroethane	0.0017 U	0.0064	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	0.0019 U	0.0064	0.0019	mg/kg	
142-28-9	1,3-Dichloropropane	0.0018 U	0.0064	0.0018	mg/kg	
123-91-1	1,4-Dioxane	0.031 U	0.32	0.031	mg/kg	
594-20-7	2,2-Dichloropropane	0.0014 U	0.0064	0.0014	mg/kg	
124-48-1	Dibromochloromethane	0.0018 U	0.0064	0.0018	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0014 U	0.0064	0.0014	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0017 U	0.0064	0.0017	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0016 U	0.0064	0.0016	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0017 U	0.0064	0.0017	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-113	Date Sampled:	12/05/07
Lab Sample ID:	T19987-5	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0017 U	0.0064	0.0017	mg/kg	
100-41-4	Ethylbenzene	0.0016 U	0.0064	0.0016	mg/kg	
60-29-7	Ethyl Ether	0.0064 U	0.0064	0.0064	mg/kg	
110-54-3	Hexane	0.0014 U	0.0064	0.0014	mg/kg	
591-78-6	2-Hexanone	0.0087 U	0.064	0.0087	mg/kg	
87-68-3	Hexachlorobutadiene	0.0015 U	0.0064	0.0015	mg/kg	
98-82-8	Isopropylbenzene	0.0015 U	0.0064	0.0015	mg/kg	
99-87-6	p-Isopropyltoluene	0.0015 U	0.0064	0.0015	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0089 U	0.064	0.0089	mg/kg	
74-83-9	Methyl bromide	0.0019 U	0.0064	0.0019	mg/kg	
74-87-3	Methyl chloride	0.0019 U	0.0064	0.0019	mg/kg	
74-95-3	Methylene bromide	0.0026 U	0.0064	0.0026	mg/kg	
75-09-2	Methylene chloride	0.0031 U	0.013	0.0031	mg/kg	
78-93-3	Methyl ethyl ketone	0.0086 U	0.064	0.0086	mg/kg	
103-65-1	n-Propylbenzene	0.0014 U	0.0064	0.0014	mg/kg	
100-42-5	Styrene	0.0016 U	0.0064	0.0016	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0018 U	0.0064	0.0018	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0015 U	0.0064	0.0015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0018 U	0.0064	0.0018	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0018 U	0.0064	0.0018	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0015 U	0.0064	0.0015	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0018 U	0.0064	0.0018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0013 U	0.0064	0.0013	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0014 U	0.0064	0.0014	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0014 U	0.0064	0.0014	mg/kg	
127-18-4	Tetrachloroethylene	0.0017 U	0.0064	0.0017	mg/kg	
108-88-3	Toluene	0.0016 U	0.0064	0.0016	mg/kg	
79-01-6	Trichloroethylene	0.0016 U	0.0064	0.0016	mg/kg	
75-69-4	Trichlorofluoromethane	0.0013 U	0.0064	0.0013	mg/kg	
75-01-4	Vinyl chloride	0.0017 U	0.0064	0.0017	mg/kg	
108-05-4	Vinyl Acetate	0.0097 U	0.032	0.0097	mg/kg	
1330-20-7	Xylene (total)	0.0048 U	0.019	0.0048	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		68-127%
2037-26-5	Toluene-D8	122%		76-139%
460-00-4	4-Bromofluorobenzene	132%		68-167%
17060-07-0	1,2-Dichloroethane-D4	94%		56-121%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-113	Date Sampled:	12/05/07
Lab Sample ID:	T19987-5	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24856.D	1	12/13/07	SC	12/07/07	OP8657	EA1542
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzenethiol	0.22 U	0.22	0.22	mg/kg	
65-85-0	Benzoic acid	0.055 U	1.1	0.055	mg/kg	
95-57-8	2-Chlorophenol	0.068 U	0.22	0.068	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.050 U	0.22	0.050	mg/kg	
120-83-2	2,4-Dichlorophenol	0.074 U	0.22	0.074	mg/kg	
105-67-9	2,4-Dimethylphenol	0.070 U	0.22	0.070	mg/kg	
51-28-5	2,4-Dinitrophenol	0.074 U	1.1	0.074	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.14 U	0.44	0.14	mg/kg	
95-48-7	2-Methylphenol	0.048 U	0.22	0.048	mg/kg	
	3&4-Methylphenol	0.072 U	0.22	0.072	mg/kg	
100-02-7	4-Nitrophenol	0.087 U	0.22	0.087	mg/kg	
87-86-5	Pentachlorophenol	0.058 U	1.1	0.058	mg/kg	
108-95-2	Phenol	0.088 U	0.22	0.088	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.062 U	0.22	0.062	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.059 U	0.22	0.059	mg/kg	
83-32-9	Acenaphthene	0.053 U	0.22	0.053	mg/kg	
208-96-8	Acenaphthylene	0.059 U	0.22	0.059	mg/kg	
120-12-7	Anthracene	0.072 U	0.22	0.072	mg/kg	
56-55-3	Benzo(a)anthracene	0.082 U	0.22	0.082	mg/kg	
50-32-8	Benzo(a)pyrene	0.072 U	0.22	0.072	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.093 U	0.22	0.093	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.12 U	0.22	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.22	0.10	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.084 U	0.22	0.084	mg/kg	
85-68-7	Butyl benzyl phthalate	0.11 U	0.22	0.11	mg/kg	
100-51-6	Benzyl Alcohol	0.078 U	0.22	0.078	mg/kg	
91-58-7	2-Chloronaphthalene	0.061 U	0.22	0.061	mg/kg	
106-47-8	4-Chloroaniline	0.062 U	0.22	0.062	mg/kg	
86-74-8	Carbazole	0.095 U	0.22	0.095	mg/kg	
218-01-9	Chrysene	0.072 U	0.22	0.072	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.082 U	0.22	0.082	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.047 U	0.22	0.047	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-113	Date Sampled:	12/05/07
Lab Sample ID:	T19987-5	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.067 U	0.22	0.067	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.075 U	0.22	0.075	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.068 U	0.22	0.068	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.061 U	0.22	0.061	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.096 U	0.22	0.096	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.057 U	0.22	0.057	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.089 U	0.44	0.089	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.22 U	0.22	0.22	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.22 U	0.22	0.22	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.077 U	0.22	0.077	mg/kg	
132-64-9	Dibenzofuran	0.061 U	0.22	0.061	mg/kg	
122-39-4	Diphenylamine	0.096 U	0.22	0.096	mg/kg	
84-74-2	Di-n-butyl phthalate	0.11 U	0.22	0.11	mg/kg	
117-84-0	Di-n-octyl phthalate	0.20 U	0.22	0.20	mg/kg	
84-66-2	Diethyl phthalate	0.061 U	0.22	0.061	mg/kg	
131-11-3	Dimethyl phthalate	0.055 U	0.22	0.055	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.11 U	0.22	0.11	mg/kg	
206-44-0	Fluoranthene	0.099 U	0.22	0.099	mg/kg	
86-73-7	Fluorene	0.067 U	0.22	0.067	mg/kg	
118-74-1	Hexachlorobenzene	0.072 U	0.22	0.072	mg/kg	
87-68-3	Hexachlorobutadiene	0.067 U	0.22	0.067	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.080 U	0.22	0.080	mg/kg	
67-72-1	Hexachloroethane	0.065 U	0.22	0.065	mg/kg	
95-13-6	Indene	1.1 U	1.1	1.1	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.085 U	0.22	0.085	mg/kg	
78-59-1	Isophorone	0.058 U	0.22	0.058	mg/kg	
90-12-0	1-Methylnaphthalene	0.052 U	0.22	0.052	mg/kg	
91-57-6	2-Methylnaphthalene	0.059 U	0.22	0.059	mg/kg	
	6-Methyl Chrysene	0.22 U	0.22	0.22	mg/kg	
88-74-4	2-Nitroaniline	0.057 U	0.22	0.057	mg/kg	
99-09-2	3-Nitroaniline	0.082 U	0.22	0.082	mg/kg	
100-01-6	4-Nitroaniline	0.12 U	0.22	0.12	mg/kg	
91-20-3	Naphthalene	0.053 U	0.22	0.053	mg/kg	
98-95-3	Nitrobenzene	0.062 U	0.22	0.062	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.088 U	0.22	0.088	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.096 U	0.22	0.096	mg/kg	
85-01-8	Phenanthrene	0.082 U	0.22	0.082	mg/kg	
129-00-0	Pyrene	0.11 U	0.22	0.11	mg/kg	
91-22-5	Quinoline	0.22 U	0.22	0.22	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.058 U	0.22	0.058	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-113	
<b>Lab Sample ID:</b> T19987-5	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3550B	<b>Percent Solids:</b> 75.3
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**SW-846 8270C**

CAS No.	Compound	Result	MQL	SDL	Units	Q
	1,3&1,4-Cyclohexanediol	0.22 U	0.22	0.22	mg/kg	
931-17-9	1,2-Cyclohexanediol	0.22 U	0.22	0.22	mg/kg	
98-85-1	1-Phenylethanol	0.22 U	0.22	0.22	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		26-124%
4165-62-2	Phenol-d5	51%		19-106%
118-79-6	2,4,6-Tribromophenol	74%		18-129%
4165-60-0	Nitrobenzene-d5	51%		18-104%
321-60-8	2-Fluorobiphenyl	58%		21-114%
1718-51-0	Terphenyl-d14	100%		24-149%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-113	Date Sampled:	12/05/07
Lab Sample ID:	T19987-5	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	75.3
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5110	25	5.4	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Antimony	0.33 U	1.2	0.33	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Arsenic	1.5	1.2	0.25	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Barium	63.5	25	0.074	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.12 B	0.61	0.025	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cadmium	0.12 U	0.61	0.12	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Calcium	11200	610	2.1	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Chromium	4.5	1.2	0.086	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cobalt	1.3 B	6.1	0.22	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Copper	3.7	3.1	0.16	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Iron	3560	11	2.4	mg/kg	1	12/17/07	12/18/07	NS SW846 6010B <sup>3</sup>	SW846 3050B <sup>5</sup>
Lead	6.9	1.2	0.49	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Magnesium	2400	610	1.4	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Manganese	102	1.8	0.086	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Mercury	0.019 B	0.020	0.00079	mg/kg	1	12/17/07	12/17/07	NS SW846 7471A <sup>2</sup>	SW846 7471A <sup>6</sup>
Nickel	2.4 B	4.9	0.16	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Potassium	1030	610	38	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Selenium	0.29 U	1.2	0.29	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Silver	0.098 U	1.2	0.098	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Sodium	1400	610	33	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Thallium	0.61 U	2.5	0.61	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Vanadium	7.8	6.1	0.15	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Zinc	25.9	2.5	0.49	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>

- (1) Instrument QC Batch: MA3281  
(2) Instrument QC Batch: MA3282  
(3) Instrument QC Batch: MA3284  
(4) Prep QC Batch: MP7031  
(5) Prep QC Batch: MP7049  
(6) Prep QC Batch: MP7051

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-113	<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-5	<b>Date Received:</b> 12/06/07
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 75.3
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

### General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent <sup>a</sup>	1.3 U	2.7	1.3	mg/kg	1	12/26/07	AFL	SW846 3060A/7196A
Solids, Percent	75.3			%	1	12/14/07	SS	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-114	Date Sampled:	12/05/07
Lab Sample ID:	T19987-6	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001148.D	1	12/11/07	LJ	n/a	n/a	VM48
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.41 g	5.0 ml
Run #2		

## SW-846 8260B

CAS No.	Compound	Result	ML	SDL	Units	Q
67-64-1	Acetone	0.0228	0.055	0.0079	mg/kg	J
71-43-2	Benzene	0.0015 U	0.0055	0.0015	mg/kg	
108-86-1	Bromobenzene	0.0014 U	0.0055	0.0014	mg/kg	
74-97-5	Bromochloromethane	0.0016 U	0.0055	0.0016	mg/kg	
75-27-4	Bromodichloromethane	0.0016 U	0.0055	0.0016	mg/kg	
75-25-2	Bromoform	0.0013 U	0.0055	0.0013	mg/kg	
71-36-3	n-Butyl Alcohol	0.055 U	0.055	0.055	mg/kg	
104-51-8	n-Butylbenzene	0.0011 U	0.0055	0.0011	mg/kg	
98-06-6	tert-Butylbenzene	0.0011 U	0.0055	0.0011	mg/kg	
108-90-7	Chlorobenzene	0.0015 U	0.0055	0.0015	mg/kg	
75-00-3	Chloroethane	0.0016 U	0.0055	0.0016	mg/kg	
67-66-3	Chloroform	0.0014 U	0.0055	0.0014	mg/kg	
95-49-8	o-Chlorotoluene	0.0013 U	0.0055	0.0013	mg/kg	
106-43-4	p-Chlorotoluene	0.0012 U	0.0055	0.0012	mg/kg	
75-15-0	Carbon disulfide	0.0014 U	0.011	0.0014	mg/kg	
56-23-5	Carbon tetrachloride	0.0012 U	0.0055	0.0012	mg/kg	
110-82-7	Cyclohexane	0.0013 U	0.0055	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	0.0014 U	0.0055	0.0014	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0014 U	0.0055	0.0014	mg/kg	
563-58-6	1,1-Dichloropropene	0.0013 U	0.0055	0.0013	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0016 U	0.0055	0.0016	mg/kg	
106-93-4	1,2-Dibromoethane	0.0015 U	0.0055	0.0015	mg/kg	
107-06-2	1,2-Dichloroethane	0.0015 U	0.0055	0.0015	mg/kg	
78-87-5	1,2-Dichloropropane	0.0016 U	0.0055	0.0016	mg/kg	
142-28-9	1,3-Dichloropropane	0.0016 U	0.0055	0.0016	mg/kg	
123-91-1	1,4-Dioxane	0.026 U	0.28	0.026	mg/kg	
594-20-7	2,2-Dichloropropane	0.0012 U	0.0055	0.0012	mg/kg	
124-48-1	Dibromochloromethane	0.0015 U	0.0055	0.0015	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0012 U	0.0055	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0015 U	0.0055	0.0015	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0014 U	0.0055	0.0014	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0014 U	0.0055	0.0014	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-114	Date Sampled:	12/05/07
Lab Sample ID:	T19987-6	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0015 U	0.0055	0.0015	mg/kg	
100-41-4	Ethylbenzene	0.0014 U	0.0055	0.0014	mg/kg	
60-29-7	Ethyl Ether	0.0055 U	0.0055	0.0055	mg/kg	
110-54-3	Hexane	0.0012 U	0.0055	0.0012	mg/kg	
591-78-6	2-Hexanone	0.0075 U	0.055	0.0075	mg/kg	
87-68-3	Hexachlorobutadiene	0.0013 U	0.0055	0.0013	mg/kg	
98-82-8	Isopropylbenzene	0.0013 U	0.0055	0.0013	mg/kg	
99-87-6	p-Isopropyltoluene	0.0013 U	0.0055	0.0013	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0077 U	0.055	0.0077	mg/kg	
74-83-9	Methyl bromide	0.0017 U	0.0055	0.0017	mg/kg	
74-87-3	Methyl chloride	0.0016 U	0.0055	0.0016	mg/kg	
74-95-3	Methylene bromide	0.0022 U	0.0055	0.0022	mg/kg	
75-09-2	Methylene chloride	0.0027 U	0.011	0.0027	mg/kg	
78-93-3	Methyl ethyl ketone	0.0074 U	0.055	0.0074	mg/kg	
103-65-1	n-Propylbenzene	0.0012 U	0.0055	0.0012	mg/kg	
100-42-5	Styrene	0.0014 U	0.0055	0.0014	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0015 U	0.0055	0.0015	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0013 U	0.0055	0.0013	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0016 U	0.0055	0.0016	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0015 U	0.0055	0.0015	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0013 U	0.0055	0.0013	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0015 U	0.0055	0.0015	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0011 U	0.0055	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0012 U	0.0055	0.0012	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0012 U	0.0055	0.0012	mg/kg	
127-18-4	Tetrachloroethylene	0.0015 U	0.0055	0.0015	mg/kg	
108-88-3	Toluene	0.0014 U	0.0055	0.0014	mg/kg	
79-01-6	Trichloroethylene	0.0014 U	0.0055	0.0014	mg/kg	
75-69-4	Trichlorofluoromethane	0.0011 U	0.0055	0.0011	mg/kg	
75-01-4	Vinyl chloride	0.0015 U	0.0055	0.0015	mg/kg	
108-05-4	Vinyl Acetate	0.0084 U	0.028	0.0084	mg/kg	
1330-20-7	Xylene (total)	0.0042 U	0.017	0.0042	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		68-127%
2037-26-5	Toluene-D8	121%		76-139%
460-00-4	4-Bromofluorobenzene	117%		68-167%
17060-07-0	1,2-Dichloroethane-D4	98%		56-121%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-114	Date Sampled:	12/05/07
Lab Sample ID:	T19987-6	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24832.D	1	12/12/07	SC	12/10/07	OP8681	EA1541
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzenethiol	0.20 U	0.20	0.20	mg/kg	
65-85-0	Benzoic acid	0.050 U	0.99	0.050	mg/kg	
95-57-8	2-Chlorophenol	0.061 U	0.20	0.061	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.045 U	0.20	0.045	mg/kg	
120-83-2	2,4-Dichlorophenol	0.067 U	0.20	0.067	mg/kg	
105-67-9	2,4-Dimethylphenol	0.063 U	0.20	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	0.067 U	0.99	0.067	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.13 U	0.40	0.13	mg/kg	
95-48-7	2-Methylphenol	0.043 U	0.20	0.043	mg/kg	
	3&4-Methylphenol	0.065 U	0.20	0.065	mg/kg	
100-02-7	4-Nitrophenol	0.078 U	0.20	0.078	mg/kg	
87-86-5	Pentachlorophenol	0.052 U	0.99	0.052	mg/kg	
108-95-2	Phenol	0.080 U	0.20	0.080	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.056 U	0.20	0.056	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.053 U	0.20	0.053	mg/kg	
83-32-9	Acenaphthene	0.048 U	0.20	0.048	mg/kg	
208-96-8	Acenaphthylene	0.054 U	0.20	0.054	mg/kg	
120-12-7	Anthracene	0.065 U	0.20	0.065	mg/kg	
56-55-3	Benzo(a)anthracene	0.074 U	0.20	0.074	mg/kg	
50-32-8	Benzo(a)pyrene	0.065 U	0.20	0.065	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.084 U	0.20	0.084	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.20	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.091 U	0.20	0.091	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.076 U	0.20	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	0.095 U	0.20	0.095	mg/kg	
100-51-6	Benzyl Alcohol	0.070 U	0.20	0.070	mg/kg	
91-58-7	2-Chloronaphthalene	0.055 U	0.20	0.055	mg/kg	
106-47-8	4-Chloroaniline	0.056 U	0.20	0.056	mg/kg	
86-74-8	Carbazole	0.085 U	0.20	0.085	mg/kg	
218-01-9	Chrysene	0.065 U	0.20	0.065	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.074 U	0.20	0.074	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.042 U	0.20	0.042	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-114	Date Sampled:	12/05/07
Lab Sample ID:	T19987-6	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.061 U	0.20	0.061	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.068 U	0.20	0.068	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.062 U	0.20	0.062	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.055 U	0.20	0.055	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.087 U	0.20	0.087	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.051 U	0.20	0.051	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.081 U	0.40	0.081	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.20 U	0.20	0.20	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.20 U	0.20	0.20	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.069 U	0.20	0.069	mg/kg	
132-64-9	Dibenzofuran	0.055 U	0.20	0.055	mg/kg	
122-39-4	Diphenylamine	0.087 U	0.20	0.087	mg/kg	
84-74-2	Di-n-butyl phthalate	0.097 U	0.20	0.097	mg/kg	
117-84-0	Di-n-octyl phthalate	0.18 U	0.20	0.18	mg/kg	
84-66-2	Diethyl phthalate	0.055 U	0.20	0.055	mg/kg	
131-11-3	Dimethyl phthalate	0.049 U	0.20	0.049	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.099 U	0.20	0.099	mg/kg	
206-44-0	Fluoranthene	0.089 U	0.20	0.089	mg/kg	
86-73-7	Fluorene	0.060 U	0.20	0.060	mg/kg	
118-74-1	Hexachlorobenzene	0.065 U	0.20	0.065	mg/kg	
87-68-3	Hexachlorobutadiene	0.060 U	0.20	0.060	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.072 U	0.20	0.072	mg/kg	
67-72-1	Hexachloroethane	0.058 U	0.20	0.058	mg/kg	
95-13-6	Indene	0.99 U	0.99	0.99	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.077 U	0.20	0.077	mg/kg	
78-59-1	Isophorone	0.052 U	0.20	0.052	mg/kg	
90-12-0	1-Methylnaphthalene	0.047 U	0.20	0.047	mg/kg	
91-57-6	2-Methylnaphthalene	0.053 U	0.20	0.053	mg/kg	
	6-Methyl Chrysene	0.20 U	0.20	0.20	mg/kg	
88-74-4	2-Nitroaniline	0.052 U	0.20	0.052	mg/kg	
99-09-2	3-Nitroaniline	0.074 U	0.20	0.074	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.20	0.11	mg/kg	
91-20-3	Naphthalene	0.048 U	0.20	0.048	mg/kg	
98-95-3	Nitrobenzene	0.056 U	0.20	0.056	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.080 U	0.20	0.080	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.087 U	0.20	0.087	mg/kg	
85-01-8	Phenanthrene	0.074 U	0.20	0.074	mg/kg	
129-00-0	Pyrene	0.097 U	0.20	0.097	mg/kg	
91-22-5	Quinoline	0.20 U	0.20	0.20	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.052 U	0.20	0.052	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-114	Date Sampled:	12/05/07
Lab Sample ID:	T19987-6	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
	1,3&1,4-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
931-17-9	1,2-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
98-85-1	1-Phenylethanol	0.20 U	0.20	0.20	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		26-124%
4165-62-2	Phenol-d5	31%		19-106%
118-79-6	2,4,6-Tribromophenol	39%		18-129%
4165-60-0	Nitrobenzene-d5	29%		18-104%
321-60-8	2-Fluorobiphenyl	32%		21-114%
1718-51-0	Terphenyl-d14	60%		24-149%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-114	Date Sampled:	12/05/07
Lab Sample ID:	T19987-6	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.8
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	1160	23	5.1	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Antimony	0.32 U	1.2	0.32	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Arsenic	0.70 B	1.2	0.23	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Barium	16.3 B	23	0.070	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.041 B	0.59	0.023	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cadmium	0.12 U	0.59	0.12	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Calcium	3040	590	2.0	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Chromium	1.4	1.2	0.082	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Cobalt	0.26 B	5.9	0.21	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Copper	0.61 B	2.9	0.15	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Iron	954	11	2.5	mg/kg	1	12/17/07	12/18/07	NS SW846 6010B <sup>3</sup>	SW846 3050B <sup>5</sup>
Lead	1.6	1.2	0.47	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Magnesium	508 B	590	1.3	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Manganese	76.3	1.8	0.082	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Mercury	0.014 B	0.019	0.00076	mg/kg	1	12/17/07	12/17/07	NS SW846 7471A <sup>2</sup>	SW846 7471A <sup>6</sup>
Nickel	0.39 B	4.7	0.15	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Potassium	218 B	590	36	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Selenium	0.28 U	1.2	0.28	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Silver	0.094 U	1.2	0.094	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Sodium	699	590	31	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Thallium	0.59 U	2.3	0.59	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Vanadium	2.4 B	5.9	0.14	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>
Zinc	2.3	2.3	0.47	mg/kg	1	12/14/07	12/16/07	NS SW846 6010B <sup>1</sup>	SW846 3050B <sup>4</sup>

- (1) Instrument QC Batch: MA3281  
(2) Instrument QC Batch: MA3282  
(3) Instrument QC Batch: MA3284  
(4) Prep QC Batch: MP7031  
(5) Prep QC Batch: MP7049  
(6) Prep QC Batch: MP7051

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result > = SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-114		<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-6		<b>Date Received:</b> 12/06/07
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 83.8
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

### General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent <sup>a</sup>	1.2 U	2.4	1.2	mg/kg	1	12/26/07	AFL	SW846 3060A/7196A
Solids, Percent	83.8			%	1	12/14/07	SS	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

# Report of Analysis

<b>Client Sample ID:</b> FR-114 MSD	<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-6D	<b>Date Received:</b> 12/06/07
<b>Matrix:</b> SO - Soil Dup/MSD	<b>Percent Solids:</b> 83.5
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	83.5		%	1	12/17/07	RM	EPA 160.3 M

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RL = Reporting Limit

## Report of Analysis

Client Sample ID:	FR-115	Date Sampled:	12/05/07
Lab Sample ID:	T19987-7	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088674.D	1	12/09/07	ZLH	n/a	n/a	VF2797
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0041	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-115	Date Sampled:	12/05/07
Lab Sample ID:	T19987-7	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-125%
17060-07-0	1,2-Dichloroethane-D4	105%		69-128%
2037-26-5	Toluene-D8	104%		80-121%
460-00-4	4-Bromofluorobenzene	115%		69-142%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-115	Date Sampled:	12/05/07
Lab Sample ID:	T19987-7	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H24672.D	1	12/09/07	SC	12/08/07	OP8660	EH1386
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	ML	SDL	Units	Q
108-98-5	Benzenethiol	0.010 U	0.010	0.010	mg/l	
65-85-0	Benzoic Acid	0.00058 U	0.010	0.00058	mg/l	
95-57-8	2-Chlorophenol	0.0014 U	0.0050	0.0014	mg/l	
59-50-7	4-Chloro-3-methyl phenol	0.0012 U	0.0050	0.0012	mg/l	
120-83-2	2,4-Dichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
105-67-9	2,4-Dimethylphenol	0.0026 U	0.0050	0.0026	mg/l	
51-28-5	2,4-Dinitrophenol	0.0024 U	0.025	0.0024	mg/l	
534-52-1	4,6-Dinitro-o-cresol	0.0039 U	0.010	0.0039	mg/l	
95-48-7	2-Methylphenol	0.0012 U	0.0050	0.0012	mg/l	
	3&4-Methylphenol	0.0011 U	0.0050	0.0011	mg/l	
100-02-7	4-Nitrophenol	0.0017 U	0.025	0.0017	mg/l	
87-86-5	Pentachlorophenol	0.0040 U	0.025	0.0040	mg/l	
108-95-2	Phenol	0.00052 U	0.0050	0.00052	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.0015 U	0.0050	0.0015	mg/l	
83-32-9	Acenaphthene	0.0015 U	0.0050	0.0015	mg/l	
208-96-8	Acenaphthylene	0.0016 U	0.0050	0.0016	mg/l	
120-12-7	Anthracene	0.0018 U	0.0050	0.0018	mg/l	
191-24-2	Benzo(g,h,i)perylene	0.0025 U	0.0050	0.0025	mg/l	
101-55-3	4-Bromophenyl phenyl ether	0.0021 U	0.0050	0.0021	mg/l	
85-68-7	Butyl benzyl phthalate	0.0017 U	0.0050	0.0017	mg/l	
100-51-6	Benzyl Alcohol	0.0019 U	0.0050	0.0019	mg/l	
91-58-7	2-Chloronaphthalene	0.0012 U	0.0050	0.0012	mg/l	
106-47-8	4-Chloroaniline	0.0016 U	0.0050	0.0016	mg/l	
86-74-8	Carbazole	0.0017 U	0.0050	0.0017	mg/l	
218-01-9	Chrysene	0.0013 U	0.0050	0.0013	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	0.0016 U	0.0050	0.0016	mg/l	
111-44-4	bis(2-Chloroethyl)ether	0.0012 U	0.0050	0.0012	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	0.0015 U	0.0050	0.0015	mg/l	
95-50-1	1,2-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
541-73-1	1,3-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0015 U	0.0050	0.0015	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-115	Date Sampled:	12/05/07
Lab Sample ID:	T19987-7	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
121-14-2	2,4-Dinitrotoluene	0.0024 U	0.0050	0.0024	mg/l	
606-20-2	2,6-Dinitrotoluene	0.0017 U	0.0050	0.0017	mg/l	
91-94-1	3,3'-Dichlorobenzidine	0.0037 U	0.010	0.0037	mg/l	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.0050 U	0.0050	0.0050	mg/l	
226-36-8	Dibenz(a,h)acridine	0.0010 U	0.0050	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	0.0013 U	0.0050	0.0013	mg/l	
132-64-9	Dibenzofuran	0.0023 U	0.0050	0.0023	mg/l	
122-39-4	Diphenylamine	0.0019 U	0.0050	0.0019	mg/l	
84-74-2	Di-n-butyl phthalate	0.0016 U	0.0050	0.0016	mg/l	
117-84-0	Di-n-octyl phthalate	0.0013 U	0.0050	0.0013	mg/l	
84-66-2	Diethyl phthalate	0.0011 U	0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	0.0018 U	0.0050	0.0018	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0015 U	0.0050	0.0015	mg/l	
206-44-0	Fluoranthene	0.0016 U	0.0050	0.0016	mg/l	
86-73-7	Fluorene	0.0021 U	0.0050	0.0021	mg/l	
118-74-1	Hexachlorobenzene	0.0019 U	0.0050	0.0019	mg/l	
87-68-3	Hexachlorobutadiene	0.0019 U	0.0050	0.0019	mg/l	
77-47-4	Hexachlorocyclopentadiene	0.0014 U	0.0050	0.0014	mg/l	
67-72-1	Hexachloroethane	0.0017 U	0.0050	0.0017	mg/l	
95-13-6	Indene	0.014 U	0.015	0.014	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0024 U	0.0050	0.0024	mg/l	
78-59-1	Isophorone	0.0012 U	0.0050	0.0012	mg/l	
90-12-0	1-Methylnaphthalene	0.0017 U	0.0050	0.0017	mg/l	
91-57-6	2-Methylnaphthalene	0.0020 U	0.0050	0.0020	mg/l	
	6-Methyl Chrysene	0.0050 U	0.0050	0.0050	mg/l	
88-74-4	2-Nitroaniline	0.0021 U	0.0050	0.0021	mg/l	
99-09-2	3-Nitroaniline	0.0027 U	0.0050	0.0027	mg/l	
100-01-6	4-Nitroaniline	0.0050 U	0.0050	0.0050	mg/l	
91-20-3	Naphthalene	0.0015 U	0.0050	0.0015	mg/l	
98-95-3	Nitrobenzene	0.0014 U	0.0050	0.0014	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	0.0017 U	0.0050	0.0017	mg/l	
86-30-6	N-Nitrosodiphenylamine	0.0019 U	0.0050	0.0019	mg/l	
85-01-8	Phenanthrene	0.0016 U	0.0050	0.0016	mg/l	
129-00-0	Pyrene	0.0011 U	0.0050	0.0011	mg/l	
91-22-5	Quinoline	0.0010 U	0.0050	0.0010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.0010 U	0.0050	0.0010	mg/l	
98-85-1	1-Phenylethanol	0.0050 U	0.0050	0.0050	mg/l	
931-17-9	1,2-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	
	1,3&1,4-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-115	
<b>Lab Sample ID:</b> T19987-7	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**SW-846 8270C**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-66%
4165-62-2	Phenol-d5	42%		10-53%
118-79-6	2,4,6-Tribromophenol	81%		32-128%
4165-60-0	Nitrobenzene-d5	63%		29-115%
321-60-8	2-Fluorobiphenyl	69%		34-113%
1718-51-0	Terphenyl-d14	63%		12-145%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis



<b>Client Sample ID:</b> FR-115	
<b>Lab Sample ID:</b> T19987-7	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C BY SIM SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24743.D	1	12/09/07	SC	12/08/07	OP8671	EA1538
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

**BN PAH List**

CAS No.	Compound	Result	MQL	SDL	Units	Q
56-55-3	Benzo(a)anthracene	0.000055 U	0.00020	0.000055	mg/l	
50-32-8	Benzo(a)pyrene	0.000099 U	0.00020	0.000099	mg/l	
205-99-2	Benzo(b)fluoranthene	0.000056 U	0.00020	0.000056	mg/l	
207-08-9	Benzo(k)fluoranthene	0.000046 U	0.00020	0.000046	mg/l	

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U = Not detected      SDL - Sample Detection Limit      J = Indicates an estimated value  
 MQL = Method Quantitation Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-115	Date Sampled:	12/05/07
Lab Sample ID:	T19987-7	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	113 B	200	86	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Antimony	2.7 U	5.0	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Arsenic	2.7 U	5.0	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Barium	331	200	2.4	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Beryllium	0.26 U	5.0	0.26	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Cadmium	1.8 U	4.0	1.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Calcium	342000	5000	170	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Chromium	1.5 U	10	1.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Cobalt	9.6 U	50	9.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Copper	5.9 U	25	5.9	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Iron	1040	100	24	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Lead	7.2	3.0	2.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Magnesium	304000	5000	13	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Manganese	968	15	4.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Mercury	0.094 U	0.20	0.094	ug/l	1	12/18/07	12/18/07	NS SW846 7470A <sup>2</sup>	SW846 7470A <sup>6</sup>
Nickel	2.6 U	40	2.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Potassium	99900	25000	800	ug/l	5	12/17/07	12/18/07	NS SW846 6010B <sup>3</sup>	SW846 3010A <sup>5</sup>
Selenium	2.3 U	5.0	2.3	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Silver	1.1 U	10	1.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Sodium	2920000	50000	3300	ug/l	10	12/17/07	12/19/07	NS SW846 6010B <sup>4</sup>	SW846 3010A <sup>5</sup>
Thallium	2.7 U	10	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Vanadium	0.94 U	50	0.94	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Zinc	55.2	20	7.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>

- (1) Instrument QC Batch: MA3284  
(2) Instrument QC Batch: MA3286  
(3) Instrument QC Batch: MA3287  
(4) Instrument QC Batch: MA3290  
(5) Prep QC Batch: MP7046  
(6) Prep QC Batch: MP7056

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis



<b>Client Sample ID:</b> FR-115	<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-7	<b>Date Received:</b> 12/06/07
<b>Matrix:</b> AQ - Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**General Chemistry**

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.0040 U	0.010	0.0040	mg/l	1	12/06/07 08:00	SS	SW846 7196A

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-116	Date Sampled:	12/05/07
Lab Sample ID:	T19987-8	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.3
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001149.D	1	12/11/07	LJ	n/a	n/a	VM48
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.58 g	5.0 ml
Run #2		

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0077 U	0.054	0.0077	mg/kg	
71-43-2	Benzene	0.0015 U	0.0054	0.0015	mg/kg	
108-86-1	Bromobenzene	0.0014 U	0.0054	0.0014	mg/kg	
74-97-5	Bromochloromethane	0.0015 U	0.0054	0.0015	mg/kg	
75-27-4	Bromodichloromethane	0.0015 U	0.0054	0.0015	mg/kg	
75-25-2	Bromoform	0.0013 U	0.0054	0.0013	mg/kg	
71-36-3	n-Butyl Alcohol	0.054 U	0.054	0.054	mg/kg	
104-51-8	n-Butylbenzene	0.0010 U	0.0054	0.0010	mg/kg	
98-06-6	tert-Butylbenzene	0.0011 U	0.0054	0.0011	mg/kg	
108-90-7	Chlorobenzene	0.0015 U	0.0054	0.0015	mg/kg	
75-00-3	Chloroethane	0.0015 U	0.0054	0.0015	mg/kg	
67-66-3	Chloroform	0.0013 U	0.0054	0.0013	mg/kg	
95-49-8	o-Chlorotoluene	0.0013 U	0.0054	0.0013	mg/kg	
106-43-4	p-Chlorotoluene	0.0012 U	0.0054	0.0012	mg/kg	
75-15-0	Carbon disulfide	0.0014 U	0.011	0.0014	mg/kg	
56-23-5	Carbon tetrachloride	0.0012 U	0.0054	0.0012	mg/kg	
110-82-7	Cyclohexane	0.0012 U	0.0054	0.0012	mg/kg	
75-34-3	1,1-Dichloroethane	0.0014 U	0.0054	0.0014	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0014 U	0.0054	0.0014	mg/kg	
563-58-6	1,1-Dichloropropene	0.0013 U	0.0054	0.0013	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0015 U	0.0054	0.0015	mg/kg	
106-93-4	1,2-Dibromoethane	0.0015 U	0.0054	0.0015	mg/kg	
107-06-2	1,2-Dichloroethane	0.0015 U	0.0054	0.0015	mg/kg	
78-87-5	1,2-Dichloropropane	0.0016 U	0.0054	0.0016	mg/kg	
142-28-9	1,3-Dichloropropane	0.0015 U	0.0054	0.0015	mg/kg	
123-91-1	1,4-Dioxane	0.026 U	0.27	0.026	mg/kg	
594-20-7	2,2-Dichloropropane	0.0012 U	0.0054	0.0012	mg/kg	
124-48-1	Dibromochloromethane	0.0015 U	0.0054	0.0015	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0012 U	0.0054	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0015 U	0.0054	0.0015	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0014 U	0.0054	0.0014	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0014 U	0.0054	0.0014	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-116	Date Sampled:	12/05/07
Lab Sample ID:	T19987-8	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.3
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0015 U	0.0054	0.0015	mg/kg	
100-41-4	Ethylbenzene	0.0014 U	0.0054	0.0014	mg/kg	
60-29-7	Ethyl Ether	0.0054 U	0.0054	0.0054	mg/kg	
110-54-3	Hexane	0.0011 U	0.0054	0.0011	mg/kg	
591-78-6	2-Hexanone	0.0074 U	0.054	0.0074	mg/kg	
87-68-3	Hexachlorobutadiene	0.0013 U	0.0054	0.0013	mg/kg	
98-82-8	Isopropylbenzene	0.0013 U	0.0054	0.0013	mg/kg	
99-87-6	p-Isopropyltoluene	0.0013 U	0.0054	0.0013	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0075 U	0.054	0.0075	mg/kg	
74-83-9	Methyl bromide	0.0016 U	0.0054	0.0016	mg/kg	
74-87-3	Methyl chloride	0.0016 U	0.0054	0.0016	mg/kg	
74-95-3	Methylene bromide	0.0022 U	0.0054	0.0022	mg/kg	
75-09-2	Methylene chloride	0.0026 U	0.011	0.0026	mg/kg	
78-93-3	Methyl ethyl ketone	0.0073 U	0.054	0.0073	mg/kg	
103-65-1	n-Propylbenzene	0.0012 U	0.0054	0.0012	mg/kg	
100-42-5	Styrene	0.0014 U	0.0054	0.0014	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0015 U	0.0054	0.0015	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0013 U	0.0054	0.0013	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0015 U	0.0054	0.0015	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0015 U	0.0054	0.0015	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0013 U	0.0054	0.0013	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0015 U	0.0054	0.0015	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0011 U	0.0054	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0012 U	0.0054	0.0012	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0012 U	0.0054	0.0012	mg/kg	
127-18-4	Tetrachloroethylene	0.0014 U	0.0054	0.0014	mg/kg	
108-88-3	Toluene	0.0014 U	0.0054	0.0014	mg/kg	
79-01-6	Trichloroethylene	0.0014 U	0.0054	0.0014	mg/kg	
75-69-4	Trichlorofluoromethane	0.0011 U	0.0054	0.0011	mg/kg	
75-01-4	Vinyl chloride	0.0015 U	0.0054	0.0015	mg/kg	
108-05-4	Vinyl Acetate	0.0082 U	0.027	0.0082	mg/kg	
1330-20-7	Xylene (total)	0.0041 U	0.016	0.0041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		68-127%
2037-26-5	Toluene-D8	119%		76-139%
460-00-4	4-Bromofluorobenzene	118%		68-167%
17060-07-0	1,2-Dichloroethane-D4	98%		56-121%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-116	Date Sampled:	12/05/07
Lab Sample ID:	T19987-8	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.3
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24819.D	1	12/12/07	SC	12/07/07	OP8657	EA1541
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzenethiol	0.19 U	0.19	0.19	mg/kg	
65-85-0	Benzoic acid	0.049 U	0.97	0.049	mg/kg	
95-57-8	2-Chlorophenol	0.060 U	0.19	0.060	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.044 U	0.19	0.044	mg/kg	
120-83-2	2,4-Dichlorophenol	0.066 U	0.19	0.066	mg/kg	
105-67-9	2,4-Dimethylphenol	0.062 U	0.19	0.062	mg/kg	
51-28-5	2,4-Dinitrophenol	0.066 U	0.97	0.066	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.12 U	0.39	0.12	mg/kg	
95-48-7	2-Methylphenol	0.042 U	0.19	0.042	mg/kg	
	3&4-Methylphenol	0.064 U	0.19	0.064	mg/kg	
100-02-7	4-Nitrophenol	0.077 U	0.19	0.077	mg/kg	
87-86-5	Pentachlorophenol	0.051 U	0.97	0.051	mg/kg	
108-95-2	Phenol	0.078 U	0.19	0.078	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.054 U	0.19	0.054	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.052 U	0.19	0.052	mg/kg	
83-32-9	Acenaphthene	0.047 U	0.19	0.047	mg/kg	
208-96-8	Acenaphthylene	0.052 U	0.19	0.052	mg/kg	
120-12-7	Anthracene	0.063 U	0.19	0.063	mg/kg	
56-55-3	Benzo(a)anthracene	0.072 U	0.19	0.072	mg/kg	
50-32-8	Benzo(a)pyrene	0.063 U	0.19	0.063	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.082 U	0.19	0.082	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.19	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.089 U	0.19	0.089	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.074 U	0.19	0.074	mg/kg	
85-68-7	Butyl benzyl phthalate	0.093 U	0.19	0.093	mg/kg	
100-51-6	Benzyl Alcohol	0.069 U	0.19	0.069	mg/kg	
91-58-7	2-Chloronaphthalene	0.054 U	0.19	0.054	mg/kg	
106-47-8	4-Chloroaniline	0.055 U	0.19	0.055	mg/kg	
86-74-8	Carbazole	0.084 U	0.19	0.084	mg/kg	
218-01-9	Chrysene	0.064 U	0.19	0.064	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.073 U	0.19	0.073	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.042 U	0.19	0.042	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-116	Date Sampled:	12/05/07
Lab Sample ID:	T19987-8	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.3
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.059 U	0.19	0.059	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.066 U	0.19	0.066	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.060 U	0.19	0.060	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.054 U	0.19	0.054	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.085 U	0.19	0.085	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.050 U	0.19	0.050	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.079 U	0.39	0.079	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.19 U	0.19	0.19	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.19 U	0.19	0.19	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.068 U	0.19	0.068	mg/kg	
132-64-9	Dibenzofuran	0.054 U	0.19	0.054	mg/kg	
122-39-4	Diphenylamine	0.085 U	0.19	0.085	mg/kg	
84-74-2	Di-n-butyl phthalate	0.095 U	0.19	0.095	mg/kg	
117-84-0	Di-n-octyl phthalate	0.18 U	0.19	0.18	mg/kg	
84-66-2	Diethyl phthalate	0.054 U	0.19	0.054	mg/kg	
131-11-3	Dimethyl phthalate	0.048 U	0.19	0.048	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.097 U	0.19	0.097	mg/kg	
206-44-0	Fluoranthene	0.087 U	0.19	0.087	mg/kg	
86-73-7	Fluorene	0.059 U	0.19	0.059	mg/kg	
118-74-1	Hexachlorobenzene	0.064 U	0.19	0.064	mg/kg	
87-68-3	Hexachlorobutadiene	0.059 U	0.19	0.059	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.070 U	0.19	0.070	mg/kg	
67-72-1	Hexachloroethane	0.057 U	0.19	0.057	mg/kg	
95-13-6	Indene	0.97 U	0.97	0.97	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.075 U	0.19	0.075	mg/kg	
78-59-1	Isophorone	0.051 U	0.19	0.051	mg/kg	
90-12-0	1-Methylnaphthalene	0.046 U	0.19	0.046	mg/kg	
91-57-6	2-Methylnaphthalene	0.052 U	0.19	0.052	mg/kg	
	6-Methyl Chrysene	0.19 U	0.19	0.19	mg/kg	
88-74-4	2-Nitroaniline	0.051 U	0.19	0.051	mg/kg	
99-09-2	3-Nitroaniline	0.073 U	0.19	0.073	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.19	0.11	mg/kg	
91-20-3	Naphthalene	0.047 U	0.19	0.047	mg/kg	
98-95-3	Nitrobenzene	0.054 U	0.19	0.054	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.078 U	0.19	0.078	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.085 U	0.19	0.085	mg/kg	
85-01-8	Phenanthrene	0.072 U	0.19	0.072	mg/kg	
129-00-0	Pyrene	0.095 U	0.19	0.095	mg/kg	
91-22-5	Quinoline	0.19 U	0.19	0.19	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.051 U	0.19	0.051	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-116	
<b>Lab Sample ID:</b> T19987-8	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3550B	<b>Percent Solids:</b> 83.3
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**SW-846 8270C**

CAS No.	Compound	Result	MQL	SDL	Units	Q
	1,3&1,4-Cyclohexanediol	0.19 U	0.19	0.19	mg/kg	
931-17-9	1,2-Cyclohexanediol	0.19 U	0.19	0.19	mg/kg	
98-85-1	1-Phenylethanol	0.19 U	0.19	0.19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		26-124%
4165-62-2	Phenol-d5	42%		19-106%
118-79-6	2,4,6-Tribromophenol	89%		18-129%
4165-60-0	Nitrobenzene-d5	42%		18-104%
321-60-8	2-Fluorobiphenyl	44%		21-114%
1718-51-0	Terphenyl-d14	81%		24-149%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-116	Date Sampled:	12/05/07
Lab Sample ID:	T19987-8	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	83.3
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	9900	22	4.8	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Antimony	0.30 U	1.1	0.30	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Arsenic	2.4	1.1	0.22	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Barium	944	22	0.066	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Beryllium	0.37 B	0.55	0.022	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Cadmium	0.11 U	0.55	0.11	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Calcium	27200	550	1.9	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Chromium	6.4	1.1	0.077	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Cobalt	2.3 B	5.5	0.20	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Copper	4.2	2.8	0.14	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Iron	6570	11	2.5	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Lead	8.0	1.1	0.44	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Magnesium	2350	550	1.3	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Manganese	110	1.7	0.077	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Mercury	0.0054 B	0.019	0.00074	mg/kg	1	12/18/07	12/18/07	NS	SW846 7471A <sup>1</sup> SW846 7471A <sup>4</sup>
Nickel	3.5 B	4.4	0.14	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Potassium	1840	550	34	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Selenium	0.26 U	1.1	0.26	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Silver	0.088 U	1.1	0.088	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Sodium	2230	550	30	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Thallium	0.55 U	2.2	0.55	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Vanadium	16.0	5.5	0.13	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Zinc	29.8	2.2	0.44	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA3285

(2) Instrument QC Batch: MA3287

(3) Prep QC Batch: MP7048

(4) Prep QC Batch: MP7055

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-116	<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-8	<b>Date Received:</b> 12/06/07
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 83.3
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

### General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent <sup>a</sup>	1.2 B	2.4	1.2	mg/kg	1	12/26/07	AFL	SW846 3060A/7196A
Solids, Percent	83.3			%	1	12/14/07	SS	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-117	Date Sampled:	12/05/07
Lab Sample ID:	T19987-9	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	77.9
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001150.D	1	12/11/07	LJ	n/a	n/a	VM48
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.25 g	5.0 ml
Run #2		

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0326	0.061	0.0088	mg/kg	J
71-43-2	Benzene	0.0017 U	0.0061	0.0017	mg/kg	
108-86-1	Bromobenzene	0.0016 U	0.0061	0.0016	mg/kg	
74-97-5	Bromochloromethane	0.0018 U	0.0061	0.0018	mg/kg	
75-27-4	Bromodichloromethane	0.0017 U	0.0061	0.0017	mg/kg	
75-25-2	Bromoform	0.0015 U	0.0061	0.0015	mg/kg	
71-36-3	n-Butyl Alcohol	0.061 U	0.061	0.061	mg/kg	
104-51-8	n-Butylbenzene	0.0012 U	0.0061	0.0012	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0061	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0017 U	0.0061	0.0017	mg/kg	
75-00-3	Chloroethane	0.0017 U	0.0061	0.0017	mg/kg	
67-66-3	Chloroform	0.0015 U	0.0061	0.0015	mg/kg	
95-49-8	o-Chlorotoluene	0.0015 U	0.0061	0.0015	mg/kg	
106-43-4	p-Chlorotoluene	0.0014 U	0.0061	0.0014	mg/kg	
75-15-0	Carbon disulfide	0.0016	0.012	0.0016	mg/kg	J
56-23-5	Carbon tetrachloride	0.0013 U	0.0061	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0014 U	0.0061	0.0014	mg/kg	
75-34-3	1,1-Dichloroethane	0.0016 U	0.0061	0.0016	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0061	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0015 U	0.0061	0.0015	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0017 U	0.0061	0.0017	mg/kg	
106-93-4	1,2-Dibromoethane	0.0017 U	0.0061	0.0017	mg/kg	
107-06-2	1,2-Dichloroethane	0.0017 U	0.0061	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	0.0018 U	0.0061	0.0018	mg/kg	
142-28-9	1,3-Dichloropropane	0.0018 U	0.0061	0.0018	mg/kg	
123-91-1	1,4-Dioxane	0.029 U	0.31	0.029	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0061	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0017 U	0.0061	0.0017	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0013 U	0.0061	0.0013	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0017 U	0.0061	0.0017	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0061	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0016 U	0.0061	0.0016	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-117	Date Sampled:	12/05/07
Lab Sample ID:	T19987-9	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	77.9
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0017 U	0.0061	0.0017	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0061	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0061 U	0.0061	0.0061	mg/kg	
110-54-3	Hexane	0.0013 U	0.0061	0.0013	mg/kg	
591-78-6	2-Hexanone	0.0084 U	0.061	0.0084	mg/kg	
87-68-3	Hexachlorobutadiene	0.0014 U	0.0061	0.0014	mg/kg	
98-82-8	Isopropylbenzene	0.0015 U	0.0061	0.0015	mg/kg	
99-87-6	p-Isopropyltoluene	0.0015 U	0.0061	0.0015	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0085 U	0.061	0.0085	mg/kg	
74-83-9	Methyl bromide	0.0018 U	0.0061	0.0018	mg/kg	
74-87-3	Methyl chloride	0.0018 U	0.0061	0.0018	mg/kg	
74-95-3	Methylene bromide	0.0024 U	0.0061	0.0024	mg/kg	
75-09-2	Methylene chloride	0.0030 U	0.012	0.0030	mg/kg	
78-93-3	Methyl ethyl ketone	0.0082 U	0.061	0.0082	mg/kg	
103-65-1	n-Propylbenzene	0.0014 U	0.0061	0.0014	mg/kg	
100-42-5	Styrene	0.0016 U	0.0061	0.0016	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0017 U	0.0061	0.0017	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0015 U	0.0061	0.0015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0018 U	0.0061	0.0018	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0017 U	0.0061	0.0017	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0015 U	0.0061	0.0015	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0017 U	0.0061	0.0017	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0061	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0014 U	0.0061	0.0014	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0061	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0016 U	0.0061	0.0016	mg/kg	
108-88-3	Toluene	0.0015 U	0.0061	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0016 U	0.0061	0.0016	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0061	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0017 U	0.0061	0.0017	mg/kg	
108-05-4	Vinyl Acetate	0.0093 U	0.031	0.0093	mg/kg	
1330-20-7	Xylene (total)	0.0046 U	0.018	0.0046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		68-127%
2037-26-5	Toluene-D8	119%		76-139%
460-00-4	4-Bromofluorobenzene	113%		68-167%
17060-07-0	1,2-Dichloroethane-D4	100%		56-121%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-117	Date Sampled:	12/05/07
Lab Sample ID:	T19987-9	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	77.9
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24820.D	1	12/12/07	SC	12/07/07	OP8657	EA1541
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzenethiol	0.21 U	0.21	0.21	mg/kg	
65-85-0	Benzoic acid	0.052 U	1.0	0.052	mg/kg	
95-57-8	2-Chlorophenol	0.065 U	0.21	0.065	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.048 U	0.21	0.048	mg/kg	
120-83-2	2,4-Dichlorophenol	0.071 U	0.21	0.071	mg/kg	
105-67-9	2,4-Dimethylphenol	0.067 U	0.21	0.067	mg/kg	
51-28-5	2,4-Dinitrophenol	0.071 U	1.0	0.071	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.13 U	0.42	0.13	mg/kg	
95-48-7	2-Methylphenol	0.046 U	0.21	0.046	mg/kg	
	3&4-Methylphenol	0.069 U	0.21	0.069	mg/kg	
100-02-7	4-Nitrophenol	0.083 U	0.21	0.083	mg/kg	
87-86-5	Pentachlorophenol	0.055 U	1.0	0.055	mg/kg	
108-95-2	Phenol	0.084 U	0.21	0.084	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.059 U	0.21	0.059	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.056 U	0.21	0.056	mg/kg	
83-32-9	Acenaphthene	0.051 U	0.21	0.051	mg/kg	
208-96-8	Acenaphthylene	0.057 U	0.21	0.057	mg/kg	
120-12-7	Anthracene	0.068 U	0.21	0.068	mg/kg	
56-55-3	Benzo(a)anthracene	0.078 U	0.21	0.078	mg/kg	
50-32-8	Benzo(a)pyrene	0.068 U	0.21	0.068	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.089 U	0.21	0.089	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.12 U	0.21	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.096 U	0.21	0.096	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.080 U	0.21	0.080	mg/kg	
85-68-7	Butyl benzyl phthalate	0.10 U	0.21	0.10	mg/kg	
100-51-6	Benzyl Alcohol	0.074 U	0.21	0.074	mg/kg	
91-58-7	2-Chloronaphthalene	0.058 U	0.21	0.058	mg/kg	
106-47-8	4-Chloroaniline	0.059 U	0.21	0.059	mg/kg	
86-74-8	Carbazole	0.090 U	0.21	0.090	mg/kg	
218-01-9	Chrysene	0.069 U	0.21	0.069	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.078 U	0.21	0.078	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.045 U	0.21	0.045	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-117	Date Sampled:	12/05/07
Lab Sample ID:	T19987-9	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	77.9
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.064 U	0.21	0.064	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.071 U	0.21	0.071	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.065 U	0.21	0.065	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.058 U	0.21	0.058	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.092 U	0.21	0.092	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.054 U	0.21	0.054	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.085 U	0.42	0.085	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.21 U	0.21	0.21	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.21 U	0.21	0.21	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.073 U	0.21	0.073	mg/kg	
132-64-9	Dibenzofuran	0.058 U	0.21	0.058	mg/kg	
122-39-4	Diphenylamine	0.092 U	0.21	0.092	mg/kg	
84-74-2	Di-n-butyl phthalate	0.10 U	0.21	0.10	mg/kg	
117-84-0	Di-n-octyl phthalate	0.19 U	0.21	0.19	mg/kg	
84-66-2	Diethyl phthalate	0.058 U	0.21	0.058	mg/kg	
131-11-3	Dimethyl phthalate	0.052 U	0.21	0.052	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.10 U	0.21	0.10	mg/kg	
206-44-0	Fluoranthene	0.094 U	0.21	0.094	mg/kg	
86-73-7	Fluorene	0.064 U	0.21	0.064	mg/kg	
118-74-1	Hexachlorobenzene	0.069 U	0.21	0.069	mg/kg	
87-68-3	Hexachlorobutadiene	0.064 U	0.21	0.064	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.076 U	0.21	0.076	mg/kg	
67-72-1	Hexachloroethane	0.062 U	0.21	0.062	mg/kg	
95-13-6	Indene	1.0 U	1.0	1.0	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.081 U	0.21	0.081	mg/kg	
78-59-1	Isophorone	0.055 U	0.21	0.055	mg/kg	
90-12-0	1-Methylnaphthalene	0.050 U	0.21	0.050	mg/kg	
91-57-6	2-Methylnaphthalene	0.056 U	0.21	0.056	mg/kg	
	6-Methyl Chrysene	0.21 U	0.21	0.21	mg/kg	
88-74-4	2-Nitroaniline	0.055 U	0.21	0.055	mg/kg	
99-09-2	3-Nitroaniline	0.078 U	0.21	0.078	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.21	0.11	mg/kg	
91-20-3	Naphthalene	0.051 U	0.21	0.051	mg/kg	
98-95-3	Nitrobenzene	0.059 U	0.21	0.059	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.084 U	0.21	0.084	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.092 U	0.21	0.092	mg/kg	
85-01-8	Phenanthrene	0.078 U	0.21	0.078	mg/kg	
129-00-0	Pyrene	0.10 U	0.21	0.10	mg/kg	
91-22-5	Quinoline	0.21 U	0.21	0.21	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.055 U	0.21	0.055	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-117	
<b>Lab Sample ID:</b> T19987-9	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3550B	<b>Percent Solids:</b> 77.9
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**SW-846 8270C**

CAS No.	Compound	Result	MQL	SDL	Units	Q
	1,3&1,4-Cyclohexanediol	0.21 U	0.21	0.21	mg/kg	
931-17-9	1,2-Cyclohexanediol	0.21 U	0.21	0.21	mg/kg	
98-85-1	1-Phenylethanol	0.21 U	0.21	0.21	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		26-124%
4165-62-2	Phenol-d5	31%		19-106%
118-79-6	2,4,6-Tribromophenol	39%		18-129%
4165-60-0	Nitrobenzene-d5	34%		18-104%
321-60-8	2-Fluorobiphenyl	35%		21-114%
1718-51-0	Terphenyl-d14	73%		24-149%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-117	Date Sampled:	12/05/07
Lab Sample ID:	T19987-9	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	77.9
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	3310	23	5.1	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Antimony	0.31 U	1.2	0.31	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Arsenic	2.2	1.2	0.23	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Barium	25.0	23	0.070	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Beryllium	0.11 B	0.58	0.023	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Cadmium	0.12 U	0.58	0.12	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Calcium	19700	580	2.0	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Chromium	2.5	1.2	0.082	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Cobalt	0.58 B	5.8	0.21	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Copper	1.9 B	2.9	0.15	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Iron	1930	12	2.6	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Lead	5.7	1.2	0.47	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Magnesium	10300	580	1.3	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Manganese	153	1.7	0.082	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Mercury	0.0013 B	0.020	0.00081	mg/kg	1	12/18/07	12/18/07	NS	SW846 7471A <sup>1</sup> SW846 7471A <sup>4</sup>
Nickel	1.4 B	4.7	0.15	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Potassium	707	580	36	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Selenium	0.28 U	1.2	0.28	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Silver	0.093 U	1.2	0.093	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Sodium	1710	580	31	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Thallium	0.58 U	2.3	0.58	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Vanadium	5.8	5.8	0.14	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Zinc	7.2	2.3	0.47	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA3285

(2) Instrument QC Batch: MA3287

(3) Prep QC Batch: MP7048

(4) Prep QC Batch: MP7055

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-117	Date Sampled:	12/05/07
Lab Sample ID:	T19987-9	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	77.9
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

### General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent <sup>a</sup>	1.3 U	2.6	1.3	mg/kg	1	12/26/07	AFL	SW846 3060A/7196A
Solids, Percent	77.9			%	1	12/14/07	SS	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-118	Date Sampled:	12/05/07
Lab Sample ID:	T19987-10	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088688.D	1	12/10/07	ZLH	n/a	n/a	VF2798
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0089	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-118	Date Sampled:	12/05/07
Lab Sample ID:	T19987-10	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-125%
17060-07-0	1,2-Dichloroethane-D4	105%		69-128%
2037-26-5	Toluene-D8	102%		80-121%
460-00-4	4-Bromofluorobenzene	112%		69-142%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-118	Date Sampled:	12/05/07
Lab Sample ID:	T19987-10	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H24673.D	1	12/09/07	SC	12/08/07	OP8660	EH1386
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	ML	SDL	Units	Q
108-98-5	Benzenethiol	0.010 U	0.010	0.010	mg/l	
65-85-0	Benzoic Acid	0.00058 U	0.010	0.00058	mg/l	
95-57-8	2-Chlorophenol	0.0014 U	0.0050	0.0014	mg/l	
59-50-7	4-Chloro-3-methyl phenol	0.0012 U	0.0050	0.0012	mg/l	
120-83-2	2,4-Dichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
105-67-9	2,4-Dimethylphenol	0.0026 U	0.0050	0.0026	mg/l	
51-28-5	2,4-Dinitrophenol	0.0024 U	0.025	0.0024	mg/l	
534-52-1	4,6-Dinitro-o-cresol	0.0039 U	0.010	0.0039	mg/l	
95-48-7	2-Methylphenol	0.0012 U	0.0050	0.0012	mg/l	
	3&4-Methylphenol	0.0011 U	0.0050	0.0011	mg/l	
100-02-7	4-Nitrophenol	0.0017 U	0.025	0.0017	mg/l	
87-86-5	Pentachlorophenol	0.0040 U	0.025	0.0040	mg/l	
108-95-2	Phenol	0.00052 U	0.0050	0.00052	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.0015 U	0.0050	0.0015	mg/l	
83-32-9	Acenaphthene	0.0015 U	0.0050	0.0015	mg/l	
208-96-8	Acenaphthylene	0.0016 U	0.0050	0.0016	mg/l	
120-12-7	Anthracene	0.0018 U	0.0050	0.0018	mg/l	
191-24-2	Benzo(g,h,i)perylene	0.0025 U	0.0050	0.0025	mg/l	
101-55-3	4-Bromophenyl phenyl ether	0.0021 U	0.0050	0.0021	mg/l	
85-68-7	Butyl benzyl phthalate	0.0017 U	0.0050	0.0017	mg/l	
100-51-6	Benzyl Alcohol	0.0019 U	0.0050	0.0019	mg/l	
91-58-7	2-Chloronaphthalene	0.0012 U	0.0050	0.0012	mg/l	
106-47-8	4-Chloroaniline	0.0016 U	0.0050	0.0016	mg/l	
86-74-8	Carbazole	0.0017 U	0.0050	0.0017	mg/l	
218-01-9	Chrysene	0.0013 U	0.0050	0.0013	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	0.0016 U	0.0050	0.0016	mg/l	
111-44-4	bis(2-Chloroethyl)ether	0.0012 U	0.0050	0.0012	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	0.0015 U	0.0050	0.0015	mg/l	
95-50-1	1,2-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
541-73-1	1,3-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0015 U	0.0050	0.0015	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-118	Date Sampled:	12/05/07
Lab Sample ID:	T19987-10	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
121-14-2	2,4-Dinitrotoluene	0.0024 U	0.0050	0.0024	mg/l	
606-20-2	2,6-Dinitrotoluene	0.0017 U	0.0050	0.0017	mg/l	
91-94-1	3,3'-Dichlorobenzidine	0.0037 U	0.010	0.0037	mg/l	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.0050 U	0.0050	0.0050	mg/l	
226-36-8	Dibenz(a,h)acridine	0.0010 U	0.0050	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	0.0013 U	0.0050	0.0013	mg/l	
132-64-9	Dibenzofuran	0.0023 U	0.0050	0.0023	mg/l	
122-39-4	Diphenylamine	0.0019 U	0.0050	0.0019	mg/l	
84-74-2	Di-n-butyl phthalate	0.0016 U	0.0050	0.0016	mg/l	
117-84-0	Di-n-octyl phthalate	0.0013 U	0.0050	0.0013	mg/l	
84-66-2	Diethyl phthalate	0.0011 U	0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	0.0018 U	0.0050	0.0018	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0015 U	0.0050	0.0015	mg/l	
206-44-0	Fluoranthene	0.0016 U	0.0050	0.0016	mg/l	
86-73-7	Fluorene	0.0021 U	0.0050	0.0021	mg/l	
118-74-1	Hexachlorobenzene	0.0019 U	0.0050	0.0019	mg/l	
87-68-3	Hexachlorobutadiene	0.0019 U	0.0050	0.0019	mg/l	
77-47-4	Hexachlorocyclopentadiene	0.0014 U	0.0050	0.0014	mg/l	
67-72-1	Hexachloroethane	0.0017 U	0.0050	0.0017	mg/l	
95-13-6	Indene	0.014 U	0.015	0.014	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0024 U	0.0050	0.0024	mg/l	
78-59-1	Isophorone	0.0012 U	0.0050	0.0012	mg/l	
90-12-0	1-Methylnaphthalene	0.0017 U	0.0050	0.0017	mg/l	
91-57-6	2-Methylnaphthalene	0.0020 U	0.0050	0.0020	mg/l	
	6-Methyl Chrysene	0.0050 U	0.0050	0.0050	mg/l	
88-74-4	2-Nitroaniline	0.0021 U	0.0050	0.0021	mg/l	
99-09-2	3-Nitroaniline	0.0027 U	0.0050	0.0027	mg/l	
100-01-6	4-Nitroaniline	0.0050 U	0.0050	0.0050	mg/l	
91-20-3	Naphthalene	0.0015 U	0.0050	0.0015	mg/l	
98-95-3	Nitrobenzene	0.0014 U	0.0050	0.0014	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	0.0017 U	0.0050	0.0017	mg/l	
86-30-6	N-Nitrosodiphenylamine	0.0019 U	0.0050	0.0019	mg/l	
85-01-8	Phenanthrene	0.0016 U	0.0050	0.0016	mg/l	
129-00-0	Pyrene	0.0011 U	0.0050	0.0011	mg/l	
91-22-5	Quinoline	0.0010 U	0.0050	0.0010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.0010 U	0.0050	0.0010	mg/l	
98-85-1	1-Phenylethanol	0.0050 U	0.0050	0.0050	mg/l	
931-17-9	1,2-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	
	1,3&1,4-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> FR-118		
<b>Lab Sample ID:</b> T19987-10		<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water		<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3510C		<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-66%
4165-62-2	Phenol-d5	28%		10-53%
118-79-6	2,4,6-Tribromophenol	81%		32-128%
4165-60-0	Nitrobenzene-d5	57%		29-115%
321-60-8	2-Fluorobiphenyl	66%		34-113%
1718-51-0	Terphenyl-d14	71%		12-145%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

3.11  
3

<b>Client Sample ID:</b> FR-118	
<b>Lab Sample ID:</b> T19987-10	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C BY SIM SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24744.D	1	12/09/07	SC	12/08/07	OP8671	EA1538
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

**BN PAH List**

CAS No.	Compound	Result	MQL	SDL	Units	Q
56-55-3	Benzo(a)anthracene	0.000055 U	0.00020	0.000055	mg/l	
50-32-8	Benzo(a)pyrene	0.000099 U	0.00020	0.000099	mg/l	
205-99-2	Benzo(b)fluoranthene	0.000056 U	0.00020	0.000056	mg/l	
207-08-9	Benzo(k)fluoranthene	0.000046 U	0.00020	0.000046	mg/l	

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U = Not detected	SDL - Sample Detection Limit	J = Indicates an estimated value
MQL = Method Quantitation Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-118	Date Sampled:	12/05/07
Lab Sample ID:	T19987-10	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	86 U	200	86	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Antimony	2.7 U	5.0	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Arsenic	10.5	5.0	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Barium	251	200	2.4	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Beryllium	0.26 U	5.0	0.26	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Cadmium	1.8 U	4.0	1.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Calcium	197000	5000	170	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Chromium	1.5 U	10	1.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Cobalt	9.6 U	50	9.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Copper	6.4 B	25	5.9	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Iron	2970	100	24	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Lead	5.7	3.0	2.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Magnesium	343000	5000	13	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Manganese	746	15	4.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Mercury	0.094 U	0.20	0.094	ug/l	1	12/18/07	12/18/07	NS SW846 7470A <sup>2</sup>	SW846 7470A <sup>6</sup>
Nickel	6.3 B	40	2.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Potassium	131000	25000	800	ug/l	5	12/17/07	12/18/07	NS SW846 6010B <sup>3</sup>	SW846 3010A <sup>5</sup>
Selenium	2.3 U	5.0	2.3	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Silver	1.1 U	10	1.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Sodium	2900000	50000	3300	ug/l	10	12/17/07	12/19/07	NS SW846 6010B <sup>4</sup>	SW846 3010A <sup>5</sup>
Thallium	2.7 U	10	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Vanadium	1.3 B	50	0.94	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Zinc	49.5	20	7.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>

- (1) Instrument QC Batch: MA3284  
(2) Instrument QC Batch: MA3286  
(3) Instrument QC Batch: MA3287  
(4) Instrument QC Batch: MA3290  
(5) Prep QC Batch: MP7046  
(6) Prep QC Batch: MP7056

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-118		<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-10		<b>Date Received:</b> 12/06/07
<b>Matrix:</b> AQ - Water		<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

**General Chemistry**

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.0040 U	0.010	0.0040	mg/l	1	12/06/07 08:00	SS	SW846 7196A

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-119	Date Sampled:	12/05/07
Lab Sample ID:	T19987-11	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001151.D	1	12/11/07	LJ	n/a	n/a	VM48
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.05 g	5.0 ml
Run #2		

## SW-846 8260B

CAS No.	Compound	Result	ML	SDL	Units	Q
67-64-1	Acetone	0.0085 U	0.059	0.0085	mg/kg	
71-43-2	Benzene	0.0016 U	0.0059	0.0016	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0059	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0059	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0017 U	0.0059	0.0017	mg/kg	
75-25-2	Bromoform	0.0014 U	0.0059	0.0014	mg/kg	
71-36-3	n-Butyl Alcohol	0.059 U	0.059	0.059	mg/kg	
104-51-8	n-Butylbenzene	0.0011 U	0.0059	0.0011	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0059	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0016 U	0.0059	0.0016	mg/kg	
75-00-3	Chloroethane	0.0017 U	0.0059	0.0017	mg/kg	
67-66-3	Chloroform	0.0015 U	0.0059	0.0015	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0059	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0013 U	0.0059	0.0013	mg/kg	
75-15-0	Carbon disulfide	0.0015 U	0.012	0.0015	mg/kg	
56-23-5	Carbon tetrachloride	0.0013 U	0.0059	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0014 U	0.0059	0.0014	mg/kg	
75-34-3	1,1-Dichloroethane	0.0015 U	0.0059	0.0015	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0059	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0059	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0017 U	0.0059	0.0017	mg/kg	
106-93-4	1,2-Dibromoethane	0.0016 U	0.0059	0.0016	mg/kg	
107-06-2	1,2-Dichloroethane	0.0016 U	0.0059	0.0016	mg/kg	
78-87-5	1,2-Dichloropropane	0.0017 U	0.0059	0.0017	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0059	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.028 U	0.29	0.028	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0059	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0016 U	0.0059	0.0016	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0013 U	0.0059	0.0013	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0016 U	0.0059	0.0016	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0059	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0015 U	0.0059	0.0015	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-119	Date Sampled:	12/05/07
Lab Sample ID:	T19987-11	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0059	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0059	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0059 U	0.0059	0.0059	mg/kg	
110-54-3	Hexane	0.0012 U	0.0059	0.0012	mg/kg	
591-78-6	2-Hexanone	0.0081 U	0.059	0.0081	mg/kg	
87-68-3	Hexachlorobutadiene	0.0014 U	0.0059	0.0014	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0059	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0014 U	0.0059	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0082 U	0.059	0.0082	mg/kg	
74-83-9	Methyl bromide	0.0018 U	0.0059	0.0018	mg/kg	
74-87-3	Methyl chloride	0.0017 U	0.0059	0.0017	mg/kg	
74-95-3	Methylene bromide	0.0024 U	0.0059	0.0024	mg/kg	
75-09-2	Methylene chloride	0.0029 U	0.012	0.0029	mg/kg	
78-93-3	Methyl ethyl ketone	0.0079 U	0.059	0.0079	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0059	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0059	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0016 U	0.0059	0.0016	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0014 U	0.0059	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0059	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0016 U	0.0059	0.0016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0014 U	0.0059	0.0014	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0016 U	0.0059	0.0016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0059	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0013 U	0.0059	0.0013	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0059	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0016 U	0.0059	0.0016	mg/kg	
108-88-3	Toluene	0.0015 U	0.0059	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0015 U	0.0059	0.0015	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0059	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0059	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0089 U	0.029	0.0089	mg/kg	
1330-20-7	Xylene (total)	0.0045 U	0.018	0.0045	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		68-127%
2037-26-5	Toluene-D8	123%		76-139%
460-00-4	4-Bromofluorobenzene	121%		68-167%
17060-07-0	1,2-Dichloroethane-D4	98%		56-121%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-119	Date Sampled:	12/05/07
Lab Sample ID:	T19987-11	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24821.D	1	12/12/07	SC	12/07/07	OP8657	EA1541
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzenethiol	0.19 U	0.19	0.19	mg/kg	
65-85-0	Benzoic acid	0.049 U	0.97	0.049	mg/kg	
95-57-8	2-Chlorophenol	0.060 U	0.19	0.060	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.044 U	0.19	0.044	mg/kg	
120-83-2	2,4-Dichlorophenol	0.066 U	0.19	0.066	mg/kg	
105-67-9	2,4-Dimethylphenol	0.062 U	0.19	0.062	mg/kg	
51-28-5	2,4-Dinitrophenol	0.066 U	0.97	0.066	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.12 U	0.39	0.12	mg/kg	
95-48-7	2-Methylphenol	0.042 U	0.19	0.042	mg/kg	
	3&4-Methylphenol	0.064 U	0.19	0.064	mg/kg	
100-02-7	4-Nitrophenol	0.077 U	0.19	0.077	mg/kg	
87-86-5	Pentachlorophenol	0.051 U	0.97	0.051	mg/kg	
108-95-2	Phenol	0.078 U	0.19	0.078	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.054 U	0.19	0.054	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.052 U	0.19	0.052	mg/kg	
83-32-9	Acenaphthene	0.047 U	0.19	0.047	mg/kg	
208-96-8	Acenaphthylene	0.053 U	0.19	0.053	mg/kg	
120-12-7	Anthracene	0.063 U	0.19	0.063	mg/kg	
56-55-3	Benzo(a)anthracene	0.072 U	0.19	0.072	mg/kg	
50-32-8	Benzo(a)pyrene	0.063 U	0.19	0.063	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.082 U	0.19	0.082	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.19	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.090 U	0.19	0.090	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.074 U	0.19	0.074	mg/kg	
85-68-7	Butyl benzyl phthalate	0.093 U	0.19	0.093	mg/kg	
100-51-6	Benzyl Alcohol	0.069 U	0.19	0.069	mg/kg	
91-58-7	2-Chloronaphthalene	0.054 U	0.19	0.054	mg/kg	
106-47-8	4-Chloroaniline	0.055 U	0.19	0.055	mg/kg	
86-74-8	Carbazole	0.084 U	0.19	0.084	mg/kg	
218-01-9	Chrysene	0.064 U	0.19	0.064	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.073 U	0.19	0.073	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.042 U	0.19	0.042	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-119	Date Sampled:	12/05/07
Lab Sample ID:	T19987-11	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.060 U	0.19	0.060	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.066 U	0.19	0.066	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.060 U	0.19	0.060	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.054 U	0.19	0.054	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.085 U	0.19	0.085	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.050 U	0.19	0.050	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.079 U	0.39	0.079	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.19 U	0.19	0.19	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.19 U	0.19	0.19	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.068 U	0.19	0.068	mg/kg	
132-64-9	Dibenzofuran	0.054 U	0.19	0.054	mg/kg	
122-39-4	Diphenylamine	0.085 U	0.19	0.085	mg/kg	
84-74-2	Di-n-butyl phthalate	0.095 U	0.19	0.095	mg/kg	
117-84-0	Di-n-octyl phthalate	0.18 U	0.19	0.18	mg/kg	
84-66-2	Diethyl phthalate	0.054 U	0.19	0.054	mg/kg	
131-11-3	Dimethyl phthalate	0.048 U	0.19	0.048	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.097 U	0.19	0.097	mg/kg	
206-44-0	Fluoranthene	0.088 U	0.19	0.088	mg/kg	
86-73-7	Fluorene	0.059 U	0.19	0.059	mg/kg	
118-74-1	Hexachlorobenzene	0.064 U	0.19	0.064	mg/kg	
87-68-3	Hexachlorobutadiene	0.059 U	0.19	0.059	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.070 U	0.19	0.070	mg/kg	
67-72-1	Hexachloroethane	0.057 U	0.19	0.057	mg/kg	
95-13-6	Indene	0.97 U	0.97	0.97	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.076 U	0.19	0.076	mg/kg	
78-59-1	Isophorone	0.051 U	0.19	0.051	mg/kg	
90-12-0	1-Methylnaphthalene	0.046 U	0.19	0.046	mg/kg	
91-57-6	2-Methylnaphthalene	0.052 U	0.19	0.052	mg/kg	
	6-Methyl Chrysene	0.19 U	0.19	0.19	mg/kg	
88-74-4	2-Nitroaniline	0.051 U	0.19	0.051	mg/kg	
99-09-2	3-Nitroaniline	0.073 U	0.19	0.073	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.19	0.11	mg/kg	
91-20-3	Naphthalene	0.047 U	0.19	0.047	mg/kg	
98-95-3	Nitrobenzene	0.054 U	0.19	0.054	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.078 U	0.19	0.078	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.085 U	0.19	0.085	mg/kg	
85-01-8	Phenanthrene	0.072 U	0.19	0.072	mg/kg	
129-00-0	Pyrene	0.095 U	0.19	0.095	mg/kg	
91-22-5	Quinoline	0.19 U	0.19	0.19	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.051 U	0.19	0.051	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-119	
<b>Lab Sample ID:</b> T19987-11	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3550B	<b>Percent Solids:</b> 84.1
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**SW-846 8270C**

CAS No.	Compound	Result	MQL	SDL	Units	Q
	1,3&1,4-Cyclohexanediol	0.19 U	0.19	0.19	mg/kg	
931-17-9	1,2-Cyclohexanediol	0.19 U	0.19	0.19	mg/kg	
98-85-1	1-Phenylethanol	0.19 U	0.19	0.19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		26-124%
4165-62-2	Phenol-d5	50%		19-106%
118-79-6	2,4,6-Tribromophenol	69%		18-129%
4165-60-0	Nitrobenzene-d5	55%		18-104%
321-60-8	2-Fluorobiphenyl	60%		21-114%
1718-51-0	Terphenyl-d14	65%		24-149%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-119	Date Sampled:	12/05/07
Lab Sample ID:	T19987-11	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	84.1
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	6190	23	5.0	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Antimony	0.31 U	1.2	0.31	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Arsenic	2.2	1.2	0.23	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Barium	381	23	0.069	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Beryllium	0.27 B	0.58	0.023	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Cadmium	0.12 U	0.58	0.12	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Calcium	30600	580	2.0	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Chromium	4.9	1.2	0.081	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Cobalt	1.5 B	5.8	0.21	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Copper	3.4	2.9	0.15	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Iron	4810	12	2.6	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Lead	6.7	1.2	0.46	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Magnesium	1460	580	1.3	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Manganese	106	1.7	0.081	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Mercury	0.0013 B	0.020	0.00078	mg/kg	1	12/18/07	12/18/07	NS	SW846 7471A <sup>1</sup> SW846 7471A <sup>4</sup>
Nickel	2.5 B	4.6	0.15	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Potassium	1420	580	36	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Selenium	0.28 U	1.2	0.28	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Silver	0.092 U	1.2	0.092	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Sodium	886	580	31	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Thallium	0.58 U	2.3	0.58	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Vanadium	13.2	5.8	0.14	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Zinc	48.5	2.3	0.46	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA3285

(2) Instrument QC Batch: MA3287

(3) Prep QC Batch: MP7048

(4) Prep QC Batch: MP7055

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-119	Date Sampled:	12/05/07
Lab Sample ID:	T19987-11	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	84.1
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

### General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent <sup>a</sup>	1.2 U	2.4	1.2	mg/kg	1	12/26/07	AFL	SW846 3060A/7196A
Solids, Percent	84.1			%	1	12/14/07	SS	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-120	Date Sampled:	12/05/07
Lab Sample ID:	T19987-12	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	85.2
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001152.D	1	12/11/07	LJ	n/a	n/a	VM48
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.03 g	5.0 ml
Run #2		

## SW-846 8260B

CAS No.	Compound	Result	ML	SDL	Units	Q
67-64-1	Acetone	0.0268	0.058	0.0084	mg/kg	J
71-43-2	Benzene	0.0016 U	0.0058	0.0016	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0058	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0058	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-25-2	Bromoform	0.0014 U	0.0058	0.0014	mg/kg	
71-36-3	n-Butyl Alcohol	0.058 U	0.058	0.058	mg/kg	
104-51-8	n-Butylbenzene	0.0011 U	0.0058	0.0011	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0058	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0016 U	0.0058	0.0016	mg/kg	
75-00-3	Chloroethane	0.0017 U	0.0058	0.0017	mg/kg	
67-66-3	Chloroform	0.0015 U	0.0058	0.0015	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0058	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0013 U	0.0058	0.0013	mg/kg	
75-15-0	Carbon disulfide	0.0041	0.012	0.0015	mg/kg	J
56-23-5	Carbon tetrachloride	0.0013 U	0.0058	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0013 U	0.0058	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	0.0015 U	0.0058	0.0015	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0058	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0016 U	0.0058	0.0016	mg/kg	
106-93-4	1,2-Dibromoethane	0.0016 U	0.0058	0.0016	mg/kg	
107-06-2	1,2-Dichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
78-87-5	1,2-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.028 U	0.29	0.028	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0058	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0016 U	0.0058	0.0016	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0058	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-120	Date Sampled:	12/05/07
Lab Sample ID:	T19987-12	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	85.2
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0058	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0058	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0058 U	0.0058	0.0058	mg/kg	
110-54-3	Hexane	0.0012 U	0.0058	0.0012	mg/kg	
591-78-6	2-Hexanone	0.0080 U	0.058	0.0080	mg/kg	
87-68-3	Hexachlorobutadiene	0.0014 U	0.0058	0.0014	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0058	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0014 U	0.0058	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0082 U	0.058	0.0082	mg/kg	
74-83-9	Methyl bromide	0.0018 U	0.0058	0.0018	mg/kg	
74-87-3	Methyl chloride	0.0017 U	0.0058	0.0017	mg/kg	
74-95-3	Methylene bromide	0.0023 U	0.0058	0.0023	mg/kg	
75-09-2	Methylene chloride	0.0031	0.012	0.0029	mg/kg	J
78-93-3	Methyl ethyl ketone	0.0079 U	0.058	0.0079	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0058	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0016 U	0.0058	0.0016	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0014 U	0.0058	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0058	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0014 U	0.0058	0.0014	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0016 U	0.0058	0.0016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0058	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
108-88-3	Toluene	0.0015 U	0.0058	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0058	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0089 U	0.029	0.0089	mg/kg	
1330-20-7	Xylene (total)	0.0044 U	0.018	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		68-127%
2037-26-5	Toluene-D8	121%		76-139%
460-00-4	4-Bromofluorobenzene	121%		68-167%
17060-07-0	1,2-Dichloroethane-D4	97%		56-121%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-120	Date Sampled:	12/05/07
Lab Sample ID:	T19987-12	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	85.2
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24855.D	1	12/13/07	SC	12/07/07	OP8657	EA1542
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzenethiol	0.19 U	0.19	0.19	mg/kg	
65-85-0	Benzoic acid	0.048 U	0.95	0.048	mg/kg	
95-57-8	2-Chlorophenol	0.059 U	0.19	0.059	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.043 U	0.19	0.043	mg/kg	
120-83-2	2,4-Dichlorophenol	0.064 U	0.19	0.064	mg/kg	
105-67-9	2,4-Dimethylphenol	0.060 U	0.19	0.060	mg/kg	
51-28-5	2,4-Dinitrophenol	0.064 U	0.95	0.064	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.12 U	0.38	0.12	mg/kg	
95-48-7	2-Methylphenol	0.041 U	0.19	0.041	mg/kg	
	3&4-Methylphenol	0.062 U	0.19	0.062	mg/kg	
100-02-7	4-Nitrophenol	0.075 U	0.19	0.075	mg/kg	
87-86-5	Pentachlorophenol	0.050 U	0.95	0.050	mg/kg	
108-95-2	Phenol	0.076 U	0.19	0.076	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.053 U	0.19	0.053	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.051 U	0.19	0.051	mg/kg	
83-32-9	Acenaphthene	0.046 U	0.19	0.046	mg/kg	
208-96-8	Acenaphthylene	0.051 U	0.19	0.051	mg/kg	
120-12-7	Anthracene	0.062 U	0.19	0.062	mg/kg	
56-55-3	Benzo(a)anthracene	0.071 U	0.19	0.071	mg/kg	
50-32-8	Benzo(a)pyrene	0.062 U	0.19	0.062	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.080 U	0.19	0.080	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.10 U	0.19	0.10	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.087 U	0.19	0.087	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.073 U	0.19	0.073	mg/kg	
85-68-7	Butyl benzyl phthalate	0.091 U	0.19	0.091	mg/kg	
100-51-6	Benzyl Alcohol	0.067 U	0.19	0.067	mg/kg	
91-58-7	2-Chloronaphthalene	0.053 U	0.19	0.053	mg/kg	
106-47-8	4-Chloroaniline	0.054 U	0.19	0.054	mg/kg	
86-74-8	Carbazole	0.082 U	0.19	0.082	mg/kg	
218-01-9	Chrysene	0.062 U	0.19	0.062	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.071 U	0.19	0.071	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.041 U	0.19	0.041	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-120	Date Sampled:	12/05/07
Lab Sample ID:	T19987-12	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	85.2
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.058 U	0.19	0.058	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.065 U	0.19	0.065	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.059 U	0.19	0.059	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.053 U	0.19	0.053	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.083 U	0.19	0.083	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.049 U	0.19	0.049	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.077 U	0.38	0.077	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.19 U	0.19	0.19	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.19 U	0.19	0.19	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.066 U	0.19	0.066	mg/kg	
132-64-9	Dibenzofuran	0.052 U	0.19	0.052	mg/kg	
122-39-4	Diphenylamine	0.083 U	0.19	0.083	mg/kg	
84-74-2	Di-n-butyl phthalate	0.093 U	0.19	0.093	mg/kg	
117-84-0	Di-n-octyl phthalate	0.17 U	0.19	0.17	mg/kg	
84-66-2	Diethyl phthalate	0.053 U	0.19	0.053	mg/kg	
131-11-3	Dimethyl phthalate	0.047 U	0.19	0.047	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.095 U	0.19	0.095	mg/kg	
206-44-0	Fluoranthene	0.086 U	0.19	0.086	mg/kg	
86-73-7	Fluorene	0.058 U	0.19	0.058	mg/kg	
118-74-1	Hexachlorobenzene	0.062 U	0.19	0.062	mg/kg	
87-68-3	Hexachlorobutadiene	0.058 U	0.19	0.058	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.069 U	0.19	0.069	mg/kg	
67-72-1	Hexachloroethane	0.056 U	0.19	0.056	mg/kg	
95-13-6	Indene	0.95 U	0.95	0.95	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.074 U	0.19	0.074	mg/kg	
78-59-1	Isophorone	0.050 U	0.19	0.050	mg/kg	
90-12-0	1-Methylnaphthalene	0.045 U	0.19	0.045	mg/kg	
91-57-6	2-Methylnaphthalene	0.051 U	0.19	0.051	mg/kg	
	6-Methyl Chrysene	0.19 U	0.19	0.19	mg/kg	
88-74-4	2-Nitroaniline	0.049 U	0.19	0.049	mg/kg	
99-09-2	3-Nitroaniline	0.071 U	0.19	0.071	mg/kg	
100-01-6	4-Nitroaniline	0.10 U	0.19	0.10	mg/kg	
91-20-3	Naphthalene	0.046 U	0.19	0.046	mg/kg	
98-95-3	Nitrobenzene	0.053 U	0.19	0.053	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.076 U	0.19	0.076	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.083 U	0.19	0.083	mg/kg	
85-01-8	Phenanthrene	0.071 U	0.19	0.071	mg/kg	
129-00-0	Pyrene	0.093 U	0.19	0.093	mg/kg	
91-22-5	Quinoline	0.19 U	0.19	0.19	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.050 U	0.19	0.050	mg/kg	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-120		<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-12		<b>Date Received:</b> 12/06/07
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 85.2
<b>Method:</b> SW846 8270C SW846 3550B		
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
	1,3&1,4-Cyclohexanediol	0.19 U	0.19	0.19	mg/kg	
931-17-9	1,2-Cyclohexanediol	0.19 U	0.19	0.19	mg/kg	
98-85-1	1-Phenylethanol	0.19 U	0.19	0.19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		26-124%
4165-62-2	Phenol-d5	28%		19-106%
118-79-6	2,4,6-Tribromophenol	61%		18-129%
4165-60-0	Nitrobenzene-d5	33%		18-104%
321-60-8	2-Fluorobiphenyl	30%		21-114%
1718-51-0	Terphenyl-d14	109%		24-149%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-120	Date Sampled:	12/05/07
Lab Sample ID:	T19987-12	Date Received:	12/06/07
Matrix:	SO - Soil	Percent Solids:	85.2
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8450	22	4.8	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Antimony	0.30 U	1.1	0.30	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Arsenic	2.1	1.1	0.22	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Barium	97.8	22	0.066	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Beryllium	0.29 B	0.55	0.022	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Cadmium	0.11 U	0.55	0.11	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Calcium	18700	550	1.9	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Chromium	8.8	1.1	0.077	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Cobalt	1.5 B	5.5	0.20	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Copper	4.4	2.8	0.14	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Iron	5250	11	2.5	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Lead	6.0	1.1	0.44	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Magnesium	2880	550	1.3	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Manganese	112	1.7	0.077	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Mercury	0.00070 U	0.018	0.00070	mg/kg	1	12/18/07	12/18/07	NS	SW846 7471A <sup>1</sup> SW846 7471A <sup>4</sup>
Nickel	2.9 B	4.4	0.14	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Potassium	1630	550	34	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Selenium	0.27 U	1.1	0.27	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Silver	0.088 U	1.1	0.088	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Sodium	2420	550	30	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Thallium	0.55 U	2.2	0.55	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Vanadium	12.1	5.5	0.13	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>
Zinc	16.6	2.2	0.44	mg/kg	1	12/19/07	12/18/07	NS	SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA3285

(2) Instrument QC Batch: MA3287

(3) Prep QC Batch: MP7048

(4) Prep QC Batch: MP7055

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-120		<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-12		<b>Date Received:</b> 12/06/07
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 85.2
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

### General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent <sup>a</sup>	1.2 U	2.3	1.2	mg/kg	1	12/26/07	AFL	SW846 3060A/7196A
Solids, Percent	85.2			%	1	12/14/07	SS	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-121	Date Sampled:	12/05/07
Lab Sample ID:	T19987-13	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088689.D	1	12/10/07	ZLH	n/a	n/a	VF2798
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0050	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00076	0.0020	0.00053	mg/l	J
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-121	Date Sampled:	12/05/07
Lab Sample ID:	T19987-13	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-125%
17060-07-0	1,2-Dichloroethane-D4	106%		69-128%
2037-26-5	Toluene-D8	104%		80-121%
460-00-4	4-Bromofluorobenzene	114%		69-142%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-121	Date Sampled:	12/05/07
Lab Sample ID:	T19987-13	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H24674.D	1	12/09/07	SC	12/08/07	OP8660	EH1386
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	ML	SDL	Units	Q
108-98-5	Benzenethiol	0.010 U	0.010	0.010	mg/l	
65-85-0	Benzoic Acid	0.00058 U	0.010	0.00058	mg/l	
95-57-8	2-Chlorophenol	0.0014 U	0.0050	0.0014	mg/l	
59-50-7	4-Chloro-3-methyl phenol	0.0012 U	0.0050	0.0012	mg/l	
120-83-2	2,4-Dichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
105-67-9	2,4-Dimethylphenol	0.0026 U	0.0050	0.0026	mg/l	
51-28-5	2,4-Dinitrophenol	0.0024 U	0.025	0.0024	mg/l	
534-52-1	4,6-Dinitro-o-cresol	0.0039 U	0.010	0.0039	mg/l	
95-48-7	2-Methylphenol	0.0012 U	0.0050	0.0012	mg/l	
	3&4-Methylphenol	0.0011 U	0.0050	0.0011	mg/l	
100-02-7	4-Nitrophenol	0.0017 U	0.025	0.0017	mg/l	
87-86-5	Pentachlorophenol	0.0040 U	0.025	0.0040	mg/l	
108-95-2	Phenol	0.00052 U	0.0050	0.00052	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.0015 U	0.0050	0.0015	mg/l	
83-32-9	Acenaphthene	0.0015 U	0.0050	0.0015	mg/l	
208-96-8	Acenaphthylene	0.0016 U	0.0050	0.0016	mg/l	
120-12-7	Anthracene	0.0018 U	0.0050	0.0018	mg/l	
191-24-2	Benzo(g,h,i)perylene	0.0025 U	0.0050	0.0025	mg/l	
101-55-3	4-Bromophenyl phenyl ether	0.0021 U	0.0050	0.0021	mg/l	
85-68-7	Butyl benzyl phthalate	0.0017 U	0.0050	0.0017	mg/l	
100-51-6	Benzyl Alcohol	0.0019 U	0.0050	0.0019	mg/l	
91-58-7	2-Chloronaphthalene	0.0012 U	0.0050	0.0012	mg/l	
106-47-8	4-Chloroaniline	0.0016 U	0.0050	0.0016	mg/l	
86-74-8	Carbazole	0.0017 U	0.0050	0.0017	mg/l	
218-01-9	Chrysene	0.0013 U	0.0050	0.0013	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	0.0016 U	0.0050	0.0016	mg/l	
111-44-4	bis(2-Chloroethyl)ether	0.0012 U	0.0050	0.0012	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	0.0015 U	0.0050	0.0015	mg/l	
95-50-1	1,2-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
541-73-1	1,3-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0015 U	0.0050	0.0015	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-121	Date Sampled:	12/05/07
Lab Sample ID:	T19987-13	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
121-14-2	2,4-Dinitrotoluene	0.0024 U	0.0050	0.0024	mg/l	
606-20-2	2,6-Dinitrotoluene	0.0017 U	0.0050	0.0017	mg/l	
91-94-1	3,3'-Dichlorobenzidine	0.0037 U	0.010	0.0037	mg/l	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.0050 U	0.0050	0.0050	mg/l	
226-36-8	Dibenz(a,h)acridine	0.0010 U	0.0050	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	0.0013 U	0.0050	0.0013	mg/l	
132-64-9	Dibenzofuran	0.0023 U	0.0050	0.0023	mg/l	
122-39-4	Diphenylamine	0.0019 U	0.0050	0.0019	mg/l	
84-74-2	Di-n-butyl phthalate	0.0016 U	0.0050	0.0016	mg/l	
117-84-0	Di-n-octyl phthalate	0.0013 U	0.0050	0.0013	mg/l	
84-66-2	Diethyl phthalate	0.0011 U	0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	0.0018 U	0.0050	0.0018	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0015 U	0.0050	0.0015	mg/l	
206-44-0	Fluoranthene	0.0016 U	0.0050	0.0016	mg/l	
86-73-7	Fluorene	0.0021 U	0.0050	0.0021	mg/l	
118-74-1	Hexachlorobenzene	0.0019 U	0.0050	0.0019	mg/l	
87-68-3	Hexachlorobutadiene	0.0019 U	0.0050	0.0019	mg/l	
77-47-4	Hexachlorocyclopentadiene	0.0014 U	0.0050	0.0014	mg/l	
67-72-1	Hexachloroethane	0.0017 U	0.0050	0.0017	mg/l	
95-13-6	Indene	0.014 U	0.015	0.014	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0024 U	0.0050	0.0024	mg/l	
78-59-1	Isophorone	0.0012 U	0.0050	0.0012	mg/l	
90-12-0	1-Methylnaphthalene	0.0017 U	0.0050	0.0017	mg/l	
91-57-6	2-Methylnaphthalene	0.0020 U	0.0050	0.0020	mg/l	
	6-Methyl Chrysene	0.0050 U	0.0050	0.0050	mg/l	
88-74-4	2-Nitroaniline	0.0021 U	0.0050	0.0021	mg/l	
99-09-2	3-Nitroaniline	0.0027 U	0.0050	0.0027	mg/l	
100-01-6	4-Nitroaniline	0.0050 U	0.0050	0.0050	mg/l	
91-20-3	Naphthalene	0.0015 U	0.0050	0.0015	mg/l	
98-95-3	Nitrobenzene	0.0014 U	0.0050	0.0014	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	0.0017 U	0.0050	0.0017	mg/l	
86-30-6	N-Nitrosodiphenylamine	0.0019 U	0.0050	0.0019	mg/l	
85-01-8	Phenanthrene	0.0016 U	0.0050	0.0016	mg/l	
129-00-0	Pyrene	0.0011 U	0.0050	0.0011	mg/l	
91-22-5	Quinoline	0.0010 U	0.0050	0.0010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.0010 U	0.0050	0.0010	mg/l	
98-85-1	1-Phenylethanol	0.0026	0.0050	0.0050	mg/l	J
931-17-9	1,2-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	
	1,3&1,4-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-121		
<b>Lab Sample ID:</b> T19987-13		<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water		<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3510C		<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

**SW-846 8270C**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		10-66%
4165-62-2	Phenol-d5	45%		10-53%
118-79-6	2,4,6-Tribromophenol	98%		32-128%
4165-60-0	Nitrobenzene-d5	70%		29-115%
321-60-8	2-Fluorobiphenyl	73%		34-113%
1718-51-0	Terphenyl-d14	110%		12-145%

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FR-121	
<b>Lab Sample ID:</b> T19987-13	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C BY SIM SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24745.D	1	12/09/07	SC	12/08/07	OP8671	EA1538
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

**BN PAH List**

CAS No.	Compound	Result	MQL	SDL	Units	Q
56-55-3	Benzo(a)anthracene	0.000055 U	0.00020	0.000055	mg/l	
50-32-8	Benzo(a)pyrene	0.000099 U	0.00020	0.000099	mg/l	
205-99-2	Benzo(b)fluoranthene	0.000056 U	0.00020	0.000056	mg/l	
207-08-9	Benzo(k)fluoranthene	0.000046 U	0.00020	0.000046	mg/l	

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U = Not detected	SDL - Sample Detection Limit	J = Indicates an estimated value
MQL = Method Quantitation Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-121	Date Sampled:	12/05/07
Lab Sample ID:	T19987-13	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	86 U	200	86	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Antimony	2.7 U	5.0	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Arsenic	6.6	5.0	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Barium	557	200	2.4	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Beryllium	0.26 U	5.0	0.26	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Cadmium	1.8 U	4.0	1.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Calcium	353000	5000	170	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Chromium	1.5 U	10	1.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Cobalt	9.6 U	50	9.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Copper	6.7 B	25	5.9	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Iron	2540	100	24	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Lead	8.7	3.0	2.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Magnesium	603000	5000	13	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Manganese	994	15	4.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Mercury	0.094 U	0.20	0.094	ug/l	1	12/18/07	12/18/07	NS SW846 7470A <sup>2</sup>	SW846 7470A <sup>6</sup>
Nickel	9.9 B	40	2.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Potassium	148000	25000	800	ug/l	5	12/17/07	12/18/07	NS SW846 6010B <sup>3</sup>	SW846 3010A <sup>5</sup>
Selenium	2.7 B	5.0	2.3	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Silver	1.1 U	10	1.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Sodium	4720000	50000	3300	ug/l	10	12/17/07	12/19/07	NS SW846 6010B <sup>4</sup>	SW846 3010A <sup>5</sup>
Thallium	2.7 U	10	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Vanadium	0.94 U	50	0.94	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>
Zinc	48.4	20	7.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>5</sup>

- (1) Instrument QC Batch: MA3284  
(2) Instrument QC Batch: MA3286  
(3) Instrument QC Batch: MA3287  
(4) Instrument QC Batch: MA3290  
(5) Prep QC Batch: MP7046  
(6) Prep QC Batch: MP7056

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-121		<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-13		<b>Date Received:</b> 12/06/07
<b>Matrix:</b> AQ - Water		<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

**General Chemistry**

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.0040 U	0.010	0.0040	mg/l	1	12/06/07 08:00	SS	SW846 7196A

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	FR-122	Date Sampled:	12/05/07
Lab Sample ID:	T19987-14	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088694.D	1	12/10/07	ZLH	n/a	n/a	VF2798
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0065	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-122	Date Sampled:	12/05/07
Lab Sample ID:	T19987-14	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-125%
17060-07-0	1,2-Dichloroethane-D4	103%		69-128%
2037-26-5	Toluene-D8	103%		80-121%
460-00-4	4-Bromofluorobenzene	114%		69-142%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-122	Date Sampled:	12/05/07
Lab Sample ID:	T19987-14	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24854.D	1	12/13/07	SC	12/08/07	OP8660	EA1542
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## SW-846 8270C

CAS No.	Compound	Result	MLQ	SDL	Units	Q
108-98-5	Benzenethiol	0.010 U	0.010	0.010	mg/l	
65-85-0	Benzoic Acid	0.00058 U	0.010	0.00058	mg/l	
95-57-8	2-Chlorophenol	0.0014 U	0.0050	0.0014	mg/l	
59-50-7	4-Chloro-3-methyl phenol	0.0012 U	0.0050	0.0012	mg/l	
120-83-2	2,4-Dichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
105-67-9	2,4-Dimethylphenol	0.0026 U	0.0050	0.0026	mg/l	
51-28-5	2,4-Dinitrophenol	0.0024 U	0.025	0.0024	mg/l	
534-52-1	4,6-Dinitro-o-cresol	0.0039 U	0.010	0.0039	mg/l	
95-48-7	2-Methylphenol	0.0012 U	0.0050	0.0012	mg/l	
	3&4-Methylphenol	0.0011 U	0.0050	0.0011	mg/l	
100-02-7	4-Nitrophenol	0.0017 U	0.025	0.0017	mg/l	
87-86-5	Pentachlorophenol	0.0040 U	0.025	0.0040	mg/l	
108-95-2	Phenol	0.00052 U	0.0050	0.00052	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.0015 U	0.0050	0.0015	mg/l	
83-32-9	Acenaphthene	0.0015 U	0.0050	0.0015	mg/l	
208-96-8	Acenaphthylene	0.0016 U	0.0050	0.0016	mg/l	
120-12-7	Anthracene	0.0018 U	0.0050	0.0018	mg/l	
191-24-2	Benzo(g,h,i)perylene	0.0025 U	0.0050	0.0025	mg/l	
101-55-3	4-Bromophenyl phenyl ether	0.0021 U	0.0050	0.0021	mg/l	
85-68-7	Butyl benzyl phthalate	0.0017 U	0.0050	0.0017	mg/l	
100-51-6	Benzyl Alcohol	0.0019 U	0.0050	0.0019	mg/l	
91-58-7	2-Chloronaphthalene	0.0012 U	0.0050	0.0012	mg/l	
106-47-8	4-Chloroaniline	0.0016 U	0.0050	0.0016	mg/l	
86-74-8	Carbazole	0.0017 U	0.0050	0.0017	mg/l	
218-01-9	Chrysene	0.0013 U	0.0050	0.0013	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	0.0016 U	0.0050	0.0016	mg/l	
111-44-4	bis(2-Chloroethyl)ether	0.0012 U	0.0050	0.0012	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	0.0015 U	0.0050	0.0015	mg/l	
95-50-1	1,2-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
541-73-1	1,3-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0015 U	0.0050	0.0015	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-122	Date Sampled:	12/05/07
Lab Sample ID:	T19987-14	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
121-14-2	2,4-Dinitrotoluene	0.0024 U	0.0050	0.0024	mg/l	
606-20-2	2,6-Dinitrotoluene	0.0017 U	0.0050	0.0017	mg/l	
91-94-1	3,3'-Dichlorobenzidine	0.0037 U	0.010	0.0037	mg/l	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.0050 U	0.0050		mg/l	
226-36-8	Dibenz(a,h)acridine	0.0010 U	0.0050	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	0.0013 U	0.0050	0.0013	mg/l	
132-64-9	Dibenzofuran	0.0023 U	0.0050	0.0023	mg/l	
122-39-4	Diphenylamine	0.0019 U	0.0050	0.0019	mg/l	
84-74-2	Di-n-butyl phthalate	0.0016 U	0.0050	0.0016	mg/l	
117-84-0	Di-n-octyl phthalate	0.0013 U	0.0050	0.0013	mg/l	
84-66-2	Diethyl phthalate	0.0011 U	0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	0.0018 U	0.0050	0.0018	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0015 U	0.0050	0.0015	mg/l	
206-44-0	Fluoranthene	0.0016 U	0.0050	0.0016	mg/l	
86-73-7	Fluorene	0.0021 U	0.0050	0.0021	mg/l	
118-74-1	Hexachlorobenzene	0.0019 U	0.0050	0.0019	mg/l	
87-68-3	Hexachlorobutadiene	0.0019 U	0.0050	0.0019	mg/l	
77-47-4	Hexachlorocyclopentadiene	0.0014 U	0.0050	0.0014	mg/l	
67-72-1	Hexachloroethane	0.0017 U	0.0050	0.0017	mg/l	
95-13-6	Indene	0.014 U	0.015	0.014	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0024 U	0.0050	0.0024	mg/l	
78-59-1	Isophorone	0.0012 U	0.0050	0.0012	mg/l	
90-12-0	1-Methylnaphthalene	0.0017 U	0.0050	0.0017	mg/l	
91-57-6	2-Methylnaphthalene	0.0020 U	0.0050	0.0020	mg/l	
	6-Methyl Chrysene	0.0050 U	0.0050		mg/l	
88-74-4	2-Nitroaniline	0.0021 U	0.0050	0.0021	mg/l	
99-09-2	3-Nitroaniline	0.0027 U	0.0050	0.0027	mg/l	
100-01-6	4-Nitroaniline	0.0050 U	0.0050	0.0050	mg/l	
91-20-3	Naphthalene	0.0015 U	0.0050	0.0015	mg/l	
98-95-3	Nitrobenzene	0.0014 U	0.0050	0.0014	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	0.0017 U	0.0050	0.0017	mg/l	
86-30-6	N-Nitrosodiphenylamine	0.0019 U	0.0050	0.0019	mg/l	
85-01-8	Phenanthrene	0.0016 U	0.0050	0.0016	mg/l	
129-00-0	Pyrene	0.0011 U	0.0050	0.0011	mg/l	
91-22-5	Quinoline	0.0010 U	0.0050	0.0010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.0010 U	0.0050	0.0010	mg/l	
98-85-1	1-Phenylethanol	0.0050 U	0.0050		mg/l	
931-17-9	1,2-Cyclohexanediol	0.0050 U	0.0050		mg/l	
	1,3&1,4-Cyclohexanediol	0.0050 U	0.0050		mg/l	

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

3.15  
3

<b>Client Sample ID:</b> FR-122	
<b>Lab Sample ID:</b> T19987-14	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

**SW-846 8270C**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-66%
4165-62-2	Phenol-d5	21%		10-53%
118-79-6	2,4,6-Tribromophenol	65%		32-128%
4165-60-0	Nitrobenzene-d5	56%		29-115%
321-60-8	2-Fluorobiphenyl	63%		34-113%
1718-51-0	Terphenyl-d14	103%		12-145%

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U = Not detected	SDL - Sample Detection Limit	J = Indicates an estimated value
MQL = Method Quantitation Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

3.15  
3

<b>Client Sample ID:</b> FR-122	
<b>Lab Sample ID:</b> T19987-14	<b>Date Sampled:</b> 12/05/07
<b>Matrix:</b> AQ - Water	<b>Date Received:</b> 12/06/07
<b>Method:</b> SW846 8270C BY SIM SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24781.D	1	12/10/07	SC	12/08/07	OP8671	EA1539
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

**BN PAH List**

CAS No.	Compound	Result	MQL	SDL	Units	Q
56-55-3	Benzo(a)anthracene	0.000055 U	0.00020	0.000055	mg/l	
50-32-8	Benzo(a)pyrene	0.000099 U	0.00020	0.000099	mg/l	
205-99-2	Benzo(b)fluoranthene	0.000056 U	0.00020	0.000056	mg/l	
207-08-9	Benzo(k)fluoranthene	0.000046 U	0.00020	0.000046	mg/l	

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U = Not detected	SDL - Sample Detection Limit	J = Indicates an estimated value
MQL = Method Quantitation Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FR-122	Date Sampled:	12/05/07
Lab Sample ID:	T19987-14	Date Received:	12/06/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	86 U	200	86	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Antimony	2.7 U	5.0	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Arsenic	2.7 U	5.0	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Barium	4.9 B	200	2.4	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Beryllium	0.26 U	5.0	0.26	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Cadmium	1.8 U	4.0	1.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Calcium	260 B	5000	170	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Chromium	1.5 U	10	1.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Cobalt	9.6 U	50	9.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Copper	9.8 B	25	5.9	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Iron	170	100	24	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Lead	2.8 U	3.0	2.8	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Magnesium	23.6 B	5000	13	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Manganese	9.9 B	15	4.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Mercury	0.094 U	0.20	0.094	ug/l	1	12/18/07	12/18/07	NS SW846 7470A <sup>2</sup>	SW846 7470A <sup>4</sup>
Nickel	2.6 U	40	2.6	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Potassium	160 U	5000	160	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Selenium	2.3 U	5.0	2.3	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Silver	1.1 U	10	1.1	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Sodium	398 B	5000	330	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Thallium	2.7 U	10	2.7	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Vanadium	0.94 U	50	0.94	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Zinc	43.7	20	7.5	ug/l	1	12/17/07	12/17/07	NS SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>

(1) Instrument QC Batch: MA3284

(2) Instrument QC Batch: MA3286

(3) Prep QC Batch: MP7046

(4) Prep QC Batch: MP7056

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

<b>Client Sample ID:</b> FR-122		<b>Date Sampled:</b> 12/05/07
<b>Lab Sample ID:</b> T19987-14		<b>Date Received:</b> 12/06/07
<b>Matrix:</b> AQ - Water		<b>Percent Solids:</b> n/a
<b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX		

**General Chemistry**

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.0040 U	0.010	0.0040	mg/l	1	12/06/07 08:00	SS	SW846 7196A

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T19987-15	Date Sampled:	12/05/07
Matrix:	AQ - Trip Blank Soil	Date Received:	12/06/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088665.D	1	12/09/07	ZLH	n/a	n/a	VF2797
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0035	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	12/05/07
Lab Sample ID:	T19987-15	Date Received:	12/06/07
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-125%
17060-07-0	1,2-Dichloroethane-D4	101%		69-128%
2037-26-5	Toluene-D8	103%		80-121%
460-00-4	4-Bromofluorobenzene	114%		69-142%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T19987-16	Date Sampled:	12/05/07
Matrix:	AQ - Trip Blank Water	Date Received:	12/06/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088664.D	1	12/09/07	ZLH	n/a	n/a	VF2797
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## SW-846 8260B

CAS No.	Compound	Result	MLQ	SDL	Units	Q
67-64-1	Acetone	0.0034	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
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J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
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## Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	12/05/07
Lab Sample ID:	T19987-16	Date Received:	12/06/07
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

## SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-125%
17060-07-0	1,2-Dichloroethane-D4	103%		69-128%
2037-26-5	Toluene-D8	104%		80-121%
460-00-4	4-Bromofluorobenzene	114%		69-142%

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound



## Misc. Forms

### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody
- LRC Form

# CHAIN OF CUSTODY

Page 1 of 1

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # <b>T19987</b>

Client / Reporting Information			Project Information		
Company Name <b>KLEINFELDER</b>			Project Name / No. <b>Falcon Refinery Superfund Site/Ingleside, Texas</b>		
Project Contact <b>Stephen Halasz</b>		E-Mail <b>shalasz@kleinfelder.com</b>	Bill to <b>Invoice Attn.</b>		
Address <b>3601 Manor Road</b>			Address		
City <b>Austin, TX</b>	State <b>TX</b>	Zip <b>78723</b>	City	State	Zip
Phone No. <b>512-926-6650</b>		Fax No.		Phone No.	
Samplers Name <b>Paul Sopak, Debbie Alaniz, Caris Johnson</b>			Client Purchase Order #		

Requested Analyses								Matrix Codes	
VOA (8260TCL)	SVOA (8270TCL)	TAL METALS (8010/2471)	PCB (8082)	Herbicides (8151)	Pesticides (8081)	Hex Cr		DW - Drinking Water	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		GW - Ground Water	
								WW - Wastewater	
								SO - Soil	
								SL - Sludge	
								OL - Oil	
								LIO - Other Liquid	
								SOL - Other Solid	

Accutest Sample #	Field ID / Point of Collection	Collection		Matrix	# of bottles	Number of preserved bottles											LAB USE ONLY		
		Date	Time			NC	NC1	NC2	NC3	NC4	NC5	NC6	NC7	NC8	NC9	NC10		NC11	NC12
1	FR-109	12/5/07	9:05	S	2														
2	FR-110	12/5/07	9:10	S	2														
3	FR-111	12/5/07	9:15	S	2														
4	FR-112	12/5/07	9:30	W	7	3	1							3					
5	FR-113	12/5/07	10:45	S	2														
6	FR-114	12/5/07	10:50	S	2														
7	FR-114 ms/msd	12/5/07	10:55	S	2														
8	FR-115	12/5/07	11:15	W	7	3	1							3					
9	FR-116	12/5/07	1:50	S	2														
10	FR-117	12/5/07	1:55	S	2														

Turnaround Time (CAL days) <input checked="" type="checkbox"/> 12 Day STANDARD <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> Other	Approved By: _____ Date: _____  12 CAL DAY	Data Deliverable Information <input type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> Reduced Tier 1 <input type="checkbox"/> Full Data Package  <input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input checked="" type="checkbox"/> TRRP  Commercial "A" = Results Only Commercial "B" = Results & Standard QC	Comments / Remarks   <b>TRRP REPORTING</b>
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*Real time analytical data available via Lablink*

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY**

Relinquished by Sampler: <b>Paul Sopak</b>	Date Time: <b>12/5/07</b>	Received By: <b>Steph Halasz</b>	Date Time:
Relinquished by:	Date Time:	Received By:	Date Time:
Relinquished by: <b>Steph Halasz</b>	Date Time: <b>12/6/07</b>	Received By: <b>Steph Halasz</b>	Date Time:
Relinquished by:	Date Time:	Received By:	Date Time:

Custody Seal # \_\_\_\_\_ Preserved where applicable  On Ice  Cooler Temp. **2.1**

4.1  
4

# CHAIN OF CUSTODY

Page 1 of 1

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # <b>719987</b>

Client / Reporting Information		Project Information			Requested Analyses													Matrix Codes										
Company Name <b>KLEINFELDER</b>		Project Name / No. <b>Falcon Refinery Superfund Site/Ingleside, Texas</b>																DW - Drinking Water										
Project Contact <b>Stephen Halasz</b>		E-Mail <b>.halasz@kleinfelder.com</b>		Bill to	Invoice Attn.												GW - Ground Water											
Address <b>3601 Manor Road</b>		Address																WW - Wastewater										
City <b>Austin, TX</b>	State <b>TX</b>	Zip <b>78723</b>	City	State	Zip														SO - Soil									
Phone No. <b>512-926-6650</b>		Fax No.		Phone No.		Fax No.															SL - Sludge							
Samplers Name <b>PAUL SWAN, DEBBIE ALANIZ, CHRIS NUNGESSEL</b>		Client Purchase Order #																OI - Oil										
Accutest Sample #	Field ID / Point of Collection	Date	Time	Matrix	Number of preserved bottles													LAB USE ONLY										
					# of bottles	HC	HN	HNCO	USDA	ENFORCE	NANOC	MICH	NO2N	VOA (8280TCL)	SVOA (8270TCL)	TAL METALS (8107471)	PCB (8082)		Herbicides (8151)	Pesticides (8081)	Hex Cr							
<b>1011</b>	<b>FR-118</b>	<b>12/5/07</b>	<b>2:10</b>	<b>W</b>	<b>7</b>	<b>3</b>	<b>1</b>												<b>3</b>	<b>X</b>	<b>X</b>	<b>X</b>				<b>X</b>		
<b>1112</b>	<b>FR-119</b>	<b>12/5/07</b>	<b>3:20</b>	<b>S</b>	<b>2</b>																						<b>X</b>	
<b>1213</b>	<b>FR-120</b>	<b>12/5/07</b>	<b>3:25</b>	<b>S</b>	<b>2</b>																						<b>X</b>	
<b>1314</b>	<b>FR-121</b>	<b>12/5/07</b>	<b>3:40</b>	<b>W</b>	<b>7</b>	<b>3</b>	<b>1</b>													<b>3</b>	<b>X</b>	<b>X</b>	<b>X</b>				<b>X</b>	
<b>1415</b>	<b>FR-122</b>	<b>12/5/07</b>	<b>4:15</b>	<b>W</b>	<b>7</b>	<b>3</b>	<b>1</b>													<b>3</b>	<b>X</b>	<b>X</b>	<b>X</b>				<b>X</b>	
<b>1516</b>	<b>TRIP BLANK</b>	<b>12/5/07</b>		<b>W</b>	<b>2</b>	<b>2</b>																						
<b>1617</b>	<b>TRIP BLANK</b>	<b>12/5/07</b>		<b>W</b>	<b>2</b>	<b>2</b>																						

Turnaround Time (CAL days)		Approved By/ Date:		Data Deliverable Information		Comments / Remarks	
<input checked="" type="checkbox"/> 12 Day STANDARD	<input type="checkbox"/> 5 Day RUSH	<input type="checkbox"/> Commercial "A"	<input type="checkbox"/> Commercial "B"	<input type="checkbox"/> Commercial "A"	<input type="checkbox"/> Commercial "B"	<b>TRRP REPORTING</b>	
<input type="checkbox"/> 4 Day RUSH	<input type="checkbox"/> 3 Day EMERGENCY	<input type="checkbox"/> Reduced Tier 1	<input type="checkbox"/> Full Data Package	<input type="checkbox"/> State Forms	<input type="checkbox"/> EDD Format		
<input type="checkbox"/> 2 Day EMERGENCY	<input type="checkbox"/> 1 Day EMERGENCY			<input checked="" type="checkbox"/> TRRP			
<input type="checkbox"/> Other		12 CAL DAY		Commercial "A" = Results Only Commercial "B" = Results & Standard QC			
Real time analytical data available via Lablink							

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY							
Relinquished By: <b>D. Swan</b>	Date/Time: <b>12/5/07 5:14am</b>	Received By: <b>Chris Nungesser</b>	Received By: <b>D. Swan</b>	Date/Time: <b>12/6/07 8:20</b>	Relinquished By: <b>D. Swan</b>	Date/Time: <b>12/6/07</b>	Received By: <b>D. Swan</b>
					Custody Seal #	Preserved where applicable	On Ice Cooler Temp. <b>2.4</b>

4.1  
**4**



ACCUTEST

SAMPLE RECEIPT LOG

JOB #: T19987

DATE/TIME RECEIVED: 12/10/07 8:30

CLIENT: Kleinfeider

INITIALS: CW

- Condition/Variance (Circle "Y" for yes and "N" for no or NA. If "N" is circled, see variance for explanation):
- 1.  N Sample received in undamaged condition.
  - 2.  N Samples received within temp. range.
  - 3.  N Sample received with proper pH.
  - 4.  N Sample received in proper containers.
  - 5.  N Sample volume sufficient for analysis.
  - 6.  N Sample received with chain of custody.
  - 7.  N Chain of Custody matches sample IDs and analysis on containers.
  - 8.  N Samples Headspace acceptable
  - 9. Y N NA Custody seal received intact and tamper not evident on cooler.
  - 10. Y N NA Custody seal received intact and tamper not evident on bottles.

SAMPLE or FIELD ID	BOTTLE #	DATE SAMPLED	MATRIX	VOLUME	LOCATION	PRESERV.	PH
12 1-3 5 8 9 11 1		12-5-07	SO	40Z.	Vref	1,2,3,4,5,6	U, <2, >12, NA
12 1-3, 5, 8, 9, 11 2			L	80Z.	1W	1,2,3,4,5,6	U, <2, >12, NA
14 4, 7, 10, 13 1-2			AQ	A1000	1W	1,2,3,4,5,6	U, <2, >12, NA
14 4, 7, 10, 13 3			L	P500	L	1,2,3,4,5,6	U, <2, >12, NA
14 4, 7, 10, 13 4			L	P500	L	1,2,3,4,5,6	U, <2, >12, NA
14 4, 7, 10, 13 5-7			L	40 ml	Vref	1,2,3,4,5,6	U, <2, >12, NA
U 1,3			SO	40Z.	Vref	1,2,3,4,5,6	U, <2, >12, NA
U 2,4			L	80Z.	1W	1,2,3,4,5,6	U, <2, >12, NA
15-16 1-2			AQ	40ml	Vref	1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA

LOCATION: WL: Walk-In VR: Volatile Refrig. SUB: Subcontract EF: Encore Freezer

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: Other

Comments:

pH of waters checked excluding volatiles

pH of soils N/A

Delivery method: Courier: driver

COOLER TEMP: 2.1 COOLER TEMP:
COOLER TEMP: 2.4 COOLER TEMP:

Form: SM012, Rev.07/28/06, QAO

T19987: Chain of Custody
Page 3 of 3

# Appendix A Laboratory Data Package Cover Page

This data package consists of:

- This signature page, the laboratory review checklist, and the following reportable data:
- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.
- The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

**Release Statement:** I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By me signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

**Check, if applicable:**  This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

<u>Ron Martino</u>		<u>Lab Director</u>	<u>1/2/2008</u>
Name (Printed)	Signature	Official Title (printed)	Date

1. Items identified by the letter “R” must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter “S” should be retained and made available upon request for the appropriate retention period.

<b>Appendix A (cont'd): Laboratory Review Checklist: Reportable Data</b>							
Laboratory Name: Accutest Laboratories Gulf Coast			LRC Date: 1/2/2008				
Project Name: Falcon Refinery Superfund Site			Laboratory Job Number: T19987				
Reviewer Name: Ron Martino			Prep Batch Number(s):				
# <sup>1</sup>	A <sup>2</sup>	Description	Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>
R1	OI	<b>Chain-of-custody (C-O-C)</b>					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	<b>Sample and quality control (QC) identification</b>					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	<b>Test reports</b>					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		If required for the project, TICs reported?			X		
R4	O	<b>Surrogate recovery data</b>					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	<b>Test reports/summary forms for blank samples</b>					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	<b>Laboratory control samples (LCS):</b>					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	<b>Matrix spike (MS) and matrix spike duplicate (MSD) data</b>					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Were MS/MSD RPDs within laboratory QC limits?		X			1
R8	OI	<b>Analytical duplicate data</b>					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			1
R9	OI	<b>Method quantitation limits (MQLs):</b>					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	<b>Other problems/anomalies</b>					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	X				

2. = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3. NA = Not applicable;

4. NR = Not reviewed;

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

<b>Appendix A (cont'd): Laboratory Review Checklist: Reportable Data</b>							
Laboratory Name: Accutest Laboratories Gulf Coast				LRC Date: 1/2/2008			
Project Name: Falcon Refinery Superfund Site				Laboratory Job Number: T19987			
Reviewer Name: Ron Martino				Prep Batch Number(s):			
# <sup>1</sup>	A <sup>2</sup>	Description	Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>
S1	OI	<b>Initial calibration (ICAL)</b>					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	<b>Initial and continuing calibration verification (ICCV and CCV) and continuing calibration</b>					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	<b>Mass spectral tuning:</b>					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	<b>Internal standards (IS):</b>					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	<b>Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section</b>					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	<b>Dual column confirmation</b>					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	<b>Tentatively identified compounds (TICs):</b>					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	<b>Interference Check Sample (ICS) results:</b>					
		Were percent recoveries within method QC limits?	X				
S9	I	<b>Serial dilutions, post digestion spikes, and method of standard additions</b>					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			1
S10	OI	<b>Method detection limit (MDL) studies</b>					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	<b>Proficiency test reports:</b>					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	<b>Standards documentation</b>					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	<b>Compound/analyte identification procedures</b>					
		Are the procedures for compound/analyte identification documented?	X				
S16	OI	<b>Demonstration of analyst competency (DOC)</b>					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	<b>Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)</b>					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	<b>Laboratory standard operating procedures (SOPs):</b>					
		Are laboratory SOPs current and on file for each method performed?	X				

- 1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
- 2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
- 3 NA = Not applicable.
- 4 NR = Not Reviewed.
- 5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

<b>Appendix A (cont'd): Laboratory Review Checklist: Exception Reports</b>	
Laboratory Name: Accutest Laboratories Gulf Coast	LRC Date: 1/2/2008
Project Name: Falcon Refinery Superfund Site	Laboratory Job Number: T19987
Reviewer Name: Ron Martino	Prep Batch Number(s):
ER # <sup>1</sup>	DESCRIPTION
1	All anomalies are discussed in the case narrative.

ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked on the LRC)



## GC/MS Volatiles

5

### QC Data Summaries

---

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-MB	F0088659.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-4, T19987-7, T19987-15, T19987-16

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	2.6	ug/l	
71-43-2	Benzene	ND	2.0	0.46	ug/l	
108-86-1	Bromobenzene	ND	2.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	2.0	0.49	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.42	ug/l	
75-25-2	Bromoform	ND	2.0	1.4	ug/l	
71-36-3	n-Butyl Alcohol	ND	20	20	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.55	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.83	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.42	ug/l	
75-00-3	Chloroethane	ND	2.0	0.39	ug/l	
67-66-3	Chloroform	ND	2.0	0.54	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.38	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.51	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.45	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.48	ug/l	
563-58-6	1,1-Dichloropropene	ND	2.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.53	ug/l	
142-28-9	1,3-Dichloropropane	ND	2.0	0.41	ug/l	
123-91-1	1,4-Dioxane	ND	50	130	ug/l	
594-20-7	2,2-Dichloropropane	ND	2.0	0.58	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.46	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.53	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.53	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.46	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.36	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.45	ug/l	
60-29-7	Ethyl Ether	ND	2.0	2.0	ug/l	
110-54-3	hexane	ND	2.0	0.61	ug/l	

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# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-MB	F0088659.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-4, T19987-7, T19987-15, T19987-16

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.4	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	1.2	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.41	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.40	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.42	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.41	ug/l	
75-09-2	Methylene chloride <sup>a</sup>	0.85	5.0	0.41	ug/l	J
78-93-3	Methyl ethyl ketone	ND	10	2.5	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.51	ug/l	
100-42-5	Styrene	ND	2.0	0.35	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	0.37	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.47	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.44	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.46	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.44	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.48	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.47	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.47	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.42	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.3	ug/l	
1330-20-7	Xylene (total)	ND	6.0		ug/l	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	98%	76-125%
17060-07-0	1,2-Dichloroethane-D4	102%	69-128%
2037-26-5	Toluene-D8	102%	80-121%
460-00-4	4-Bromofluorobenzene	114%	69-142%

5.1  
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## Method Blank Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-MB	F0088659.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method:

T19987-4, T19987-7, T19987-15, T19987-16

(a) Suspected laboratory contaminant.

# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2798-MB	F0088682.D	1	12/10/07	ZLH	n/a	n/a	VF2798

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-10, T19987-13, T19987-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	2.6	ug/l	
71-43-2	Benzene	ND	2.0	0.46	ug/l	
108-86-1	Bromobenzene	ND	2.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	2.0	0.49	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.42	ug/l	
75-25-2	Bromoform	ND	2.0	1.4	ug/l	
71-36-3	n-Butyl Alcohol	ND	20	20	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.55	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.83	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.42	ug/l	
75-00-3	Chloroethane	ND	2.0	0.39	ug/l	
67-66-3	Chloroform	ND	2.0	0.54	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.38	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.51	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.45	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.48	ug/l	
563-58-6	1,1-Dichloropropene	ND	2.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.53	ug/l	
142-28-9	1,3-Dichloropropane	ND	2.0	0.41	ug/l	
123-91-1	1,4-Dioxane	ND	50	130	ug/l	
594-20-7	2,2-Dichloropropane	ND	2.0	0.58	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.46	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.53	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.53	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.46	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.36	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.45	ug/l	
60-29-7	Ethyl Ether	ND	2.0	2.0	ug/l	
110-54-3	hexane	ND	2.0	0.61	ug/l	

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# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2798-MB	F0088682.D	1	12/10/07	ZLH	n/a	n/a	VF2798

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-10, T19987-13, T19987-14

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.4	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	1.2	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.41	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.40	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.42	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.41	ug/l	
75-09-2	Methylene chloride <sup>a</sup>	0.85	5.0	0.41	ug/l	J
78-93-3	Methyl ethyl ketone	ND	10	2.5	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.51	ug/l	
100-42-5	Styrene	ND	2.0	0.35	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	0.37	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.47	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.44	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.46	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.44	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.48	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.47	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.47	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.42	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.3	ug/l	
1330-20-7	Xylene (total)	ND	6.0		ug/l	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	100%	76-125%
17060-07-0	1,2-Dichloroethane-D4	104%	69-128%
2037-26-5	Toluene-D8	103%	80-121%
460-00-4	4-Bromofluorobenzene	112%	69-142%

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## Method Blank Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2798-MB	F0088682.D	1	12/10/07	ZLH	n/a	n/a	VF2798

The QC reported here applies to the following samples:

Method:

T19987-10, T19987-13, T19987-14

(a) Suspected laboratory contaminant.

# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM48-MB	M0001143.D	1	12/11/07	LJ	n/a	n/a	VM48

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-1, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	7.2	ug/kg	
71-43-2	Benzene	ND	5.0	1.4	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.4	ug/kg	
75-25-2	Bromoform	ND	5.0	1.2	ug/kg	
71-36-3	n-Butyl Alcohol	ND	50	50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.97	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.4	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.4	ug/kg	
67-66-3	Chloroform	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
75-15-0	Carbon disulfide	ND	10	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/kg	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.4	ug/kg	
123-91-1	1,4-Dioxane	ND	250	24	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.3	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	5.0	ug/kg	
110-54-3	Hexane	ND	5.0	1.1	ug/kg	

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# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM48-MB	M0001143.D	1	12/11/07	LJ	n/a	n/a	VM48

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-1, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	50	6.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	50	7.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.5	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	2.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	50	6.7	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	7.6	ug/kg	
1330-20-7	Xylene (total)	ND	15	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	113%	68-127%
2037-26-5	Toluene-D8	120%	76-139%
460-00-4	4-Bromofluorobenzene	0%*	68-167%
17060-07-0	1,2-Dichloroethane-D4	103%	56-121%

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# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-BS	F0088656.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-4, T19987-7, T19987-15, T19987-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	124	99	46-148
71-43-2	Benzene	25	27.2	109	73-121
108-86-1	Bromobenzene	25	24.5	98	72-116
74-97-5	Bromochloromethane	25	23.1	92	67-118
75-27-4	Bromodichloromethane	25	23.5	94	69-119
75-25-2	Bromoform	25	23.8	95	58-117
71-36-3	n-Butyl Alcohol	250	262	105	50-150 <sup>a</sup>
104-51-8	n-Butylbenzene	25	27.5	110	67-126
98-06-6	tert-Butylbenzene	25	27.9	112	70-124
108-90-7	Chlorobenzene	25	25.4	102	76-113
75-00-3	Chloroethane	25	31.7	127	68-138
67-66-3	Chloroform	25	26.6	106	71-118
95-49-8	o-Chlorotoluene	25	26.5	106	72-120
106-43-4	p-Chlorotoluene	25	26.1	104	72-120
75-15-0	Carbon disulfide	25	28.1	112	52-132
56-23-5	Carbon tetrachloride	25	26.8	107	71-132
110-82-7	Cyclohexane	25	29.7	119	71-134
75-34-3	1,1-Dichloroethane	25	28.5	114	71-123
75-35-4	1,1-Dichloroethylene	25	28.1	112	65-132
563-58-6	1,1-Dichloropropene	25	27.7	111	75-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.0	100	40-137
106-93-4	1,2-Dibromoethane	25	24.0	96	68-117
107-06-2	1,2-Dichloroethane	25	24.4	98	66-122
78-87-5	1,2-Dichloropropane	25	25.7	103	71-119
142-28-9	1,3-Dichloropropane	25	25.4	102	69-117
123-91-1	1,4-Dioxane	500	365	73	35-154
594-20-7	2,2-Dichloropropane	25	26.6	106	61-137
124-48-1	Dibromochloromethane	25	23.7	95	68-116
75-71-8	Dichlorodifluoromethane	25	40.6	162	34-165
156-59-2	cis-1,2-Dichloroethylene	25	22.6	90	70-117
10061-01-5	cis-1,3-Dichloropropene	25	25.0	100	69-122
156-60-5	trans-1,2-Dichloroethylene	25	27.8	111	71-127
10061-02-6	trans-1,3-Dichloropropene	25	27.2	109	70-127
100-41-4	Ethylbenzene	25	26.4	106	75-117
60-29-7	Ethyl Ether	25	19.1	76	50-150 <sup>a</sup>
110-54-3	hexane	25	31.7	127	56-139

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# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-BS	F0088656.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-4, T19987-7, T19987-15, T19987-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
591-78-6	2-Hexanone	125	134	107	42-137
87-68-3	Hexachlorobutadiene	25	26.7	107	60-135
98-82-8	Isopropylbenzene	25	28.1	112	72-129
99-87-6	p-Isopropyltoluene	25	27.4	110	73-123
108-10-1	4-Methyl-2-pentanone	125	134	107	53-134
74-83-9	Methyl bromide	25	28.4	114	58-133
74-87-3	Methyl chloride	25	31.7	127	55-143
74-95-3	Methylene bromide	25	24.7	99	66-121
75-09-2	Methylene chloride	25	26.4	106	60-124
78-93-3	Methyl ethyl ketone	125	133	106	49-135
103-65-1	n-Propylbenzene	25	27.1	108	72-124
100-42-5	Styrene	25	23.1	92	67-114
630-20-6	1,1,1,2-Tetrachloroethane	25	24.7	99	73-113
71-55-6	1,1,1-Trichloroethane	25	26.3	105	71-128
79-34-5	1,1,2,2-Tetrachloroethane	25	27.0	108	62-124
79-00-5	1,1,2-Trichloroethane	25	25.0	100	68-117
87-61-6	1,2,3-Trichlorobenzene	25	22.5	90	39-144
96-18-4	1,2,3-Trichloropropane	25	24.0	96	59-121
120-82-1	1,2,4-Trichlorobenzene	25	22.7	91	49-129
95-63-6	1,2,4-Trimethylbenzene	25	26.5	106	73-119
108-67-8	1,3,5-Trimethylbenzene	25	27.1	108	72-122
127-18-4	Tetrachloroethylene	25	25.1	100	74-123
108-88-3	Toluene	25	26.6	106	75-119
79-01-6	Trichloroethylene	25	25.4	102	72-123
75-69-4	Trichlorofluoromethane	25	27.1	108	53-161
75-01-4	Vinyl chloride	25	28.9	116	62-150
108-05-4	Vinyl Acetate	125	168	134	21-150
1330-20-7	Xylene (total)	75	79.1	105	75-118

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	76-125%
17060-07-0	1,2-Dichloroethane-D4	108%	69-128%
2037-26-5	Toluene-D8	101%	80-121%
460-00-4	4-Bromofluorobenzene	105%	69-142%

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# Blank Spike Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-BS	F0088656.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-4, T19987-7, T19987-15, T19987-16

(a) Advisory control limits.

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# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2798-BS	F0088680.D	1	12/10/07	ZLH	n/a	n/a	VF2798

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-10, T19987-13, T19987-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	123	98	46-148
71-43-2	Benzene	25	24.0	96	73-121
108-86-1	Bromobenzene	25	22.0	88	72-116
74-97-5	Bromochloromethane	25	21.5	86	67-118
75-27-4	Bromodichloromethane	25	21.5	86	69-119
75-25-2	Bromoform	25	22.0	88	58-117
71-36-3	n-Butyl Alcohol	250	290	116	50-150 <sup>a</sup>
104-51-8	n-Butylbenzene	25	24.9	100	67-126
98-06-6	tert-Butylbenzene	25	25.2	101	70-124
108-90-7	Chlorobenzene	25	22.6	90	76-113
75-00-3	Chloroethane	25	32.8	131	68-138
67-66-3	Chloroform	25	23.6	94	71-118
95-49-8	o-Chlorotoluene	25	23.7	95	72-120
106-43-4	p-Chlorotoluene	25	23.5	94	72-120
75-15-0	Carbon disulfide	25	24.1	96	52-132
56-23-5	Carbon tetrachloride	25	22.6	90	71-132
110-82-7	Cyclohexane	25	24.1	96	71-134
75-34-3	1,1-Dichloroethane	25	25.2	101	71-123
75-35-4	1,1-Dichloroethylene	25	23.9	96	65-132
563-58-6	1,1-Dichloropropene	25	23.5	94	75-131
96-12-8	1,2-Dibromo-3-chloropropane	25	24.6	98	40-137
106-93-4	1,2-Dibromoethane	25	22.6	90	68-117
107-06-2	1,2-Dichloroethane	25	23.6	94	66-122
78-87-5	1,2-Dichloropropane	25	23.2	93	71-119
142-28-9	1,3-Dichloropropane	25	23.5	94	69-117
123-91-1	1,4-Dioxane	500	446	89	35-154
594-20-7	2,2-Dichloropropane	25	22.7	91	61-137
124-48-1	Dibromochloromethane	25	21.9	88	68-116
75-71-8	Dichlorodifluoromethane	25	37.2	149	34-165
156-59-2	cis-1,2-Dichloroethylene	25	19.9	80	70-117
10061-01-5	cis-1,3-Dichloropropene	25	22.8	91	69-122
156-60-5	trans-1,2-Dichloroethylene	25	24.2	97	71-127
10061-02-6	trans-1,3-Dichloropropene	25	24.7	99	70-127
100-41-4	Ethylbenzene	25	23.2	93	75-117
60-29-7	Ethyl Ether	25	28.7	115	50-150 <sup>a</sup>
110-54-3	hexane	25	26.1	104	56-139

5.2  
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# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2798-BS	F0088680.D	1	12/10/07	ZLH	n/a	n/a	VF2798

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-10, T19987-13, T19987-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
591-78-6	2-Hexanone	125	133	106	42-137
87-68-3	Hexachlorobutadiene	25	25.7	103	60-135
98-82-8	Isopropylbenzene	25	24.9	100	72-129
99-87-6	p-Isopropyltoluene	25	24.7	99	73-123
108-10-1	4-Methyl-2-pentanone	125	132	106	53-134
74-83-9	Methyl bromide	25	28.0	112	58-133
74-87-3	Methyl chloride	25	30.1	120	55-143
74-95-3	Methylene bromide	25	22.9	92	66-121
75-09-2	Methylene chloride	25	24.0	96	60-124
78-93-3	Methyl ethyl ketone	125	129	103	49-135
103-65-1	n-Propylbenzene	25	24.4	98	72-124
100-42-5	Styrene	25	20.6	82	67-114
630-20-6	1,1,1,2-Tetrachloroethane	25	22.3	89	73-113
71-55-6	1,1,1-Trichloroethane	25	22.7	91	71-128
79-34-5	1,1,2,2-Tetrachloroethane	25	26.2	105	62-124
79-00-5	1,1,2-Trichloroethane	25	23.5	94	68-117
87-61-6	1,2,3-Trichlorobenzene	25	24.2	97	39-144
96-18-4	1,2,3-Trichloropropane	25	23.4	94	59-121
120-82-1	1,2,4-Trichlorobenzene	25	22.2	89	49-129
95-63-6	1,2,4-Trimethylbenzene	25	23.9	96	73-119
108-67-8	1,3,5-Trimethylbenzene	25	24.5	98	72-122
127-18-4	Tetrachloroethylene	25	21.6	86	74-123
108-88-3	Toluene	25	23.4	94	75-119
79-01-6	Trichloroethylene	25	21.8	87	72-123
75-69-4	Trichlorofluoromethane	25	27.5	110	53-161
75-01-4	Vinyl chloride	25	27.5	110	62-150
108-05-4	Vinyl Acetate	125	162	130	21-150
1330-20-7	Xylene (total)	75	69.6	93	75-118

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	76-125%
17060-07-0	1,2-Dichloroethane-D4	108%	69-128%
2037-26-5	Toluene-D8	102%	80-121%
460-00-4	4-Bromofluorobenzene	105%	69-142%

5.2  
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# Blank Spike Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2798-BS	F0088680.D	1	12/10/07	ZLH	n/a	n/a	VF2798

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-10, T19987-13, T19987-14

(a) Advisory control limits.

5.2  
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# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM48-BS	M0001141.D	1	12/11/07	LJ	n/a	n/a	VM48

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-1, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	238	95	58-157
71-43-2	Benzene	50	49.3	99	74-121
108-86-1	Bromobenzene	50	50.3	101	74-123
74-97-5	Bromochloromethane	50	48.7	97	76-120
75-27-4	Bromodichloromethane	50	47.0	94	77-120
75-25-2	Bromoform	50	48.9	98	76-124
71-36-3	n-Butyl Alcohol	500	453	91	50-150 <sup>a</sup>
104-51-8	n-Butylbenzene	50	50.5	101	70-137
98-06-6	tert-Butylbenzene	50	52.7	105	71-127
108-90-7	Chlorobenzene	50	47.9	96	79-119
75-00-3	Chloroethane	50	47.1	94	56-139
67-66-3	Chloroform	50	48.9	98	74-119
95-49-8	o-Chlorotoluene	50	50.0	100	70-126
106-43-4	p-Chlorotoluene	50	50.5	101	73-126
75-15-0	Carbon disulfide	50	46.7	93	42-137
56-23-5	Carbon tetrachloride	50	47.7	95	63-129
110-82-7	Cyclohexane	50	47.5	95	56-137
75-34-3	1,1-Dichloroethane	50	49.1	98	71-123
75-35-4	1,1-Dichloroethylene	50	46.6	93	57-132
563-58-6	1,1-Dichloropropene	50	46.9	94	69-131
96-12-8	1,2-Dibromo-3-chloropropane	50	48.8	98	56-148
106-93-4	1,2-Dibromoethane	50	49.2	98	81-119
107-06-2	1,2-Dichloroethane	50	46.0	92	75-122
78-87-5	1,2-Dichloropropane	50	48.4	97	75-121
142-28-9	1,3-Dichloropropane	50	47.9	96	76-121
123-91-1	1,4-Dioxane	1000	981	98	59-155
594-20-7	2,2-Dichloropropane	50	48.4	97	64-134
124-48-1	Dibromochloromethane	50	49.4	99	81-119
75-71-8	Dichlorodifluoromethane	50	35.4	71	20-170
156-59-2	cis-1,2-Dichloroethylene	50	47.4	95	74-119
10061-01-5	cis-1,3-Dichloropropene	50	52.1	104	80-126
156-60-5	trans-1,2-Dichloroethylene	50	46.6	93	69-129
10061-02-6	trans-1,3-Dichloropropene	50	50.6	101	82-136
100-41-4	Ethylbenzene	50	47.2	94	75-122
60-29-7	Ethyl Ether	50	60.8	122	50-150 <sup>a</sup>
110-54-3	Hexane	50	49.4	99	50-142

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# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM48-BS	M0001141.D 1		12/11/07	LJ	n/a	n/a	VM48

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-1, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
591-78-6	2-Hexanone	250	240	96	49-155
87-68-3	Hexachlorobutadiene	50	50.5	101	61-139
98-82-8	Isopropylbenzene	50	51.1	102	71-134
99-87-6	p-Isopropyltoluene	50	49.9	100	73-130
108-10-1	4-Methyl-2-pentanone	250	250	100	65-145
74-83-9	Methyl bromide	50	46.1	92	45-137
74-87-3	Methyl chloride	50	44.4	89	43-144
74-95-3	Methylene bromide	50	49.2	98	79-121
75-09-2	Methylene chloride	50	45.8	92	66-130
78-93-3	Methyl ethyl ketone	250	241	96	69-137
103-65-1	n-Propylbenzene	50	49.5	99	69-129
100-42-5	Styrene	50	44.7	89	72-122
630-20-6	1,1,1,2-Tetrachloroethane	50	48.6	97	79-117
71-55-6	1,1,1-Trichloroethane	50	47.8	96	63-131
79-34-5	1,1,2,2-Tetrachloroethane	50	50.6	101	67-135
79-00-5	1,1,2-Trichloroethane	50	47.4	95	76-120
87-61-6	1,2,3-Trichlorobenzene	50	53.0	106	58-149
96-18-4	1,2,3-Trichloropropane	50	46.1	92	72-125
120-82-1	1,2,4-Trichlorobenzene	50	53.5	107	60-147
95-63-6	1,2,4-Trimethylbenzene	50	49.3	99	74-126
108-67-8	1,3,5-Trimethylbenzene	50	49.5	99	72-126
127-18-4	Tetrachloroethylene	50	47.5	95	68-127
108-88-3	Toluene	50	46.6	93	74-122
79-01-6	Trichloroethylene	50	48.1	96	72-122
75-69-4	Trichlorofluoromethane	50	45.8	92	51-145
75-01-4	Vinyl chloride	50	42.8	86	40-149
108-05-4	Vinyl Acetate	250	299	120	52-181
1330-20-7	Xylene (total)	150	145	97	76-123

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	116%	68-127%
2037-26-5	Toluene-D8	118%	76-139%
460-00-4	4-Bromofluorobenzene	119%	68-167%
17060-07-0	1,2-Dichloroethane-D4	103%	56-121%

5.2  
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# Blank Spike Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM48-BS	M0001141.D	1	12/11/07	LJ	n/a	n/a	VM48

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-1, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9, T19987-11, T19987-12

(a) Advisory control limits.

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19944-14MS	F0088675.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14MSD	F0088676.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14	F0088669.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-4, T19987-7, T19987-15, T19987-16

CAS No.	Compound	T19944-14 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	6.5	J	125	122	92	108	12	31-152/36
71-43-2	Benzene	2.0 U		25	26.5	106	25.6	3	74-125/18
108-86-1	Bromobenzene	2.0 U		25	23.8	95	23.1	3	74-115/22
74-97-5	Bromochloromethane	2.0 U		25	22.2	89	21.6	3	67-120/25
75-27-4	Bromodichloromethane	2.0 U		25	23.0	92	21.7	6	67-124/22
75-25-2	Bromoform	2.0 U		25	21.6	86	20.3	6	55-119/28
71-36-3	n-Butyl Alcohol	20 U		250	250	100	240	4	50-150/30 <sup>a</sup>
104-51-8	n-Butylbenzene	2.0 U		25	24.9	100	25.0	0	61-132/21
98-06-6	tert-Butylbenzene	2.0 U		25	26.8	107	26.4	2	70-124/27
108-90-7	Chlorobenzene	2.0 U		25	24.8	99	23.8	4	82-112/20
75-00-3	Chloroethane	2.0 U		25	32.9	132	30.2	9	67-144/27
67-66-3	Chloroform	2.0 U		25	25.6	102	24.4	5	72-123/20
95-49-8	o-Chlorotoluene	2.0 U		25	26.0	104	25.6	2	74-121/20
106-43-4	p-Chlorotoluene	2.0 U		25	25.7	103	24.9	3	74-119/22
75-15-0	Carbon disulfide	2.0 U		25	27.1	108	26.0	4	48-138/23
56-23-5	Carbon tetrachloride	2.0 U		25	25.6	102	24.7	4	70-136/23
110-82-7	Cyclohexane	2.0 U		25	28.3	113	27.3	4	68-139/22
75-34-3	1,1-Dichloroethane	2.0 U		25	27.7	111	26.5	4	73-128/21
75-35-4	1,1-Dichloroethylene	2.0 U		25	26.7	107	25.9	3	60-138/24
563-58-6	1,1-Dichloropropene	2.0 U		25	26.3	105	25.4	3	76-133/22
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	20.0	80	21.1	5	23-150/36
106-93-4	1,2-Dibromoethane	2.0 U		25	23.3	93	22.5	3	68-117/26
107-06-2	1,2-Dichloroethane	2.0 U		25	24.1	96	22.8	6	66-129/22
78-87-5	1,2-Dichloropropane	2.0 U		25	25.2	101	24.4	3	73-122/22
142-28-9	1,3-Dichloropropane	2.0 U		25	24.9	100	24.4	2	69-121/25
123-91-1	1,4-Dioxane	250 U		500	308	62	334	8	19-152/37
594-20-7	2,2-Dichloropropane	2.0 U		25	23.6	94	22.0	7	50-145/29
124-48-1	Dibromochloromethane	2.0 U		25	22.7	91	21.8	4	68-117/24
75-71-8	Dichlorodifluoromethane	2.0 U		25	42.2	169	41.9	1	14-184/30
156-59-2	cis-1,2-Dichloroethylene	2.0 U		25	22.7	91	21.8	4	72-120/23
10061-01-5	cis-1,3-Dichloropropene	2.0 U		25	23.5	94	22.8	3	62-126/23
156-60-5	trans-1,2-Dichloroethylene	2.0 U		25	26.8	107	25.7	4	72-130/23
10061-02-6	trans-1,3-Dichloropropene	2.0 U		25	25.4	102	24.7	3	62-131/24
100-41-4	Ethylbenzene	2.0 U		25	25.7	103	24.8	4	77-119/20
60-29-7	Ethyl Ether	2.0 U		25	28.9	116	28.8	0	50-150/30 <sup>a</sup>
110-54-3	hexane	2.0 U		25	27.4	110	26.5	3	53-137/23

5.3  
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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19944-14MS	F0088675.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14MSD	F0088676.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14	F0088669.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-4, T19987-7, T19987-15, T19987-16

CAS No.	Compound	T19944-14 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	10 U	125	131	105	125	100	5	23-154/40
87-68-3	Hexachlorobutadiene	2.0 U	25	21.6	86	23.0	92	6	51-130/31
98-82-8	Isopropylbenzene	2.0 U	25	27.5	110	26.6	106	3	72-130/24
99-87-6	p-Isopropyltoluene	2.0 U	25	25.6	102	25.3	101	1	73-121/22
108-10-1	4-Methyl-2-pentanone	10 U	125	131	105	123	98	6	41-147/30
74-83-9	Methyl bromide	2.0 U	25	27.9	112	25.5	102	9	58-134/25
74-87-3	Methyl chloride	2.0 U	25	32.3	129	25.9	104	22	47-151/27
74-95-3	Methylene bromide	2.0 U	25	24.0	96	24.1	96	0	68-124/25
75-09-2	Methylene chloride	5.0 U	25	25.5	102	24.1	96	6	52-125/24
78-93-3	Methyl ethyl ketone	10 U	125	122	98	115	92	6	42-142/39
103-65-1	n-Propylbenzene	2.0 U	25	26.4	106	25.8	103	2	72-124/23
100-42-5	Styrene	2.0 U	25	22.3	89	21.1	84	6	68-115/26
630-20-6	1,1,1,2-Tetrachloroethane	2.0 U	25	23.8	95	22.9	92	4	77-113/21
71-55-6	1,1,1-Trichloroethane	2.0 U	25	25.0	100	24.2	97	3	72-134/22
79-34-5	1,1,2,2-Tetrachloroethane	2.0 U	25	26.8	107	25.9	104	3	55-132/34
79-00-5	1,1,2-Trichloroethane	2.0 U	25	24.5	98	24.0	96	2	66-121/26
87-61-6	1,2,3-Trichlorobenzene	2.0 U	25	15.7	63	20.0	80	24	23-142/41
96-18-4	1,2,3-Trichloropropane	2.0 U	25	24.1	96	22.4	90	7	52-128/27
120-82-1	1,2,4-Trichlorobenzene	2.0 U	25	18.6	74	20.0	80	7	34-134/30
95-63-6	1,2,4-Trimethylbenzene	2.0 U	25	25.3	101	24.7	99	2	73-120/20
108-67-8	1,3,5-Trimethylbenzene	2.0 U	25	26.2	105	25.5	102	3	72-121/23
127-18-4	Tetrachloroethylene	2.0 U	25	23.6	94	22.8	91	3	75-122/23
108-88-3	Toluene	2.0 U	25	26.1	104	25.4	102	3	79-119/21
79-01-6	Trichloroethylene	2.0 U	25	24.4	98	23.3	93	5	75-124/21
75-69-4	Trichlorofluoromethane	2.0 U	25	29.6	118	28.5	114	4	46-162/27
75-01-4	Vinyl chloride	2.0 U	25	29.3	117	25.8	103	13	58-150/29
108-05-4	Vinyl Acetate	10 U	125	139	111	132	106	5	10-160/34
1330-20-7	Xylene (total)	6.0 U	75	76.8	102	74.7	100	3	78-119/20

CAS No.	Surrogate Recoveries	MS	MSD	T19944-14	Limits
1868-53-7	Dibromofluoromethane	98%	98%	99%	76-125%
17060-07-0	1,2-Dichloroethane-D4	104%	104%	102%	69-128%
2037-26-5	Toluene-D8	103%	104%	104%	80-121%
460-00-4	4-Bromofluorobenzene	105%	106%	114%	69-142%

5.3  
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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19944-14MS	F0088675.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14MSD	F0088676.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14	F0088669.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-4, T19987-7, T19987-15, T19987-16

(a) Advisory control limits.

5.3  
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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T20012-5MS	F0088699.D	1	12/10/07	ZLH	n/a	n/a	VF2798
T20012-5MSD	F0088700.D	1	12/10/07	ZLH	n/a	n/a	VF2798
T20012-5	F0088696.D	1	12/10/07	ZLH	n/a	n/a	VF2798

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-10, T19987-13, T19987-14

CAS No.	Compound	T20012-5 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	4.1	J	125	107	82	93.3	14	31-152/36
71-43-2	Benzene	2.0 U		25	25.7	103	25.3	2	74-125/18
108-86-1	Bromobenzene	2.0 U		25	22.8	91	22.5	1	74-115/22
74-97-5	Bromochloromethane	2.0 U		25	21.0	84	21.2	1	67-120/25
75-27-4	Bromodichloromethane	2.0 U		25	21.9	88	21.6	1	67-124/22
75-25-2	Bromoform	2.0 U		25	20.0	80	20.4	2	55-119/28
71-36-3	n-Butyl Alcohol	20 U		250	236	94	164	36* a	50-150/30 b
104-51-8	n-Butylbenzene	2.0 U		25	24.9	100	24.2	3	61-132/21
98-06-6	tert-Butylbenzene	2.0 U		25	25.6	102	25.4	1	70-124/27
108-90-7	Chlorobenzene	2.0 U		25	23.4	94	23.0	2	82-112/20
75-00-3	Chloroethane	2.0 U		25	33.1	132	32.8	1	67-144/27
67-66-3	Chloroform	2.0 U		25	24.8	99	24.3	2	72-123/20
95-49-8	o-Chlorotoluene	2.0 U		25	24.9	100	24.6	1	74-121/20
106-43-4	p-Chlorotoluene	2.0 U		25	24.4	98	23.8	2	74-119/22
75-15-0	Carbon disulfide	2.0 U		25	26.1	104	25.4	3	48-138/23
56-23-5	Carbon tetrachloride	2.0 U		25	24.7	99	24.2	2	70-136/23
110-82-7	Cyclohexane	2.0 U		25	27.9	112	27.5	1	68-139/22
75-34-3	1,1-Dichloroethane	2.0 U		25	26.8	107	26.3	2	73-128/21
75-35-4	1,1-Dichloroethylene	2.0 U		25	26.4	106	25.5	3	60-138/24
563-58-6	1,1-Dichloropropene	2.0 U		25	25.4	102	25.2	1	76-133/22
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	17.0	68	20.1	17	23-150/36
106-93-4	1,2-Dibromoethane	2.0 U		25	21.6	86	22.0	2	68-117/26
107-06-2	1,2-Dichloroethane	2.0 U		25	22.9	92	23.2	1	66-129/22
78-87-5	1,2-Dichloropropane	2.0 U		25	24.4	98	24.0	2	73-122/22
142-28-9	1,3-Dichloropropane	2.0 U		25	23.2	93	23.6	2	69-121/25
123-91-1	1,4-Dioxane	250 U		500	301	60	162	32	60* a
594-20-7	2,2-Dichloropropane	2.0 U		25	24.1	96	23.0	5	50-145/29
124-48-1	Dibromochloromethane	2.0 U		25	21.4	86	21.5	0	68-117/24
75-71-8	Dichlorodifluoromethane	2.0 U		25	46.1	184	47.1	188* c	14-184/30
156-59-2	cis-1,2-Dichloroethylene	2.0 U		25	21.7	87	22.1	88	2
10061-01-5	cis-1,3-Dichloropropene	2.0 U		25	22.8	91	22.6	90	1
156-60-5	trans-1,2-Dichloroethylene	2.0 U		25	26.2	105	25.3	101	3
10061-02-6	trans-1,3-Dichloropropene	2.0 U		25	24.3	97	24.4	98	0
100-41-4	Ethylbenzene	2.0 U		25	24.4	98	24.1	96	1
60-29-7	Ethyl Ether	2.0 U		25	27.1	108	28.0	112	3
110-54-3	hexane	2.0 U		25	28.0	112	26.9	108	4

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T20012-5MS	F0088699.D	1	12/10/07	ZLH	n/a	n/a	VF2798
T20012-5MSD	F0088700.D	1	12/10/07	ZLH	n/a	n/a	VF2798
T20012-5	F0088696.D	1	12/10/07	ZLH	n/a	n/a	VF2798

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-10, T19987-13, T19987-14

CAS No.	Compound	T20012-5 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD	
591-78-6	2-Hexanone	10 U		125	113	90	116	93	3	23-154/40
87-68-3	Hexachlorobutadiene	2.0 U		25	21.7	87	22.5	90	4	51-130/31
98-82-8	Isopropylbenzene	2.0 U		25	25.9	104	25.6	102	1	72-130/24
99-87-6	p-Isopropyltoluene	2.0 U		25	24.8	99	24.5	98	1	73-121/22
108-10-1	4-Methyl-2-pentanone	10 U		125	118	94	122	98	3	41-147/30
74-83-9	Methyl bromide	2.0 U		25	27.5	110	26.8	107	3	58-134/25
74-87-3	Methyl chloride	2.0 U		25	27.1	108	24.7	99	9	47-151/27
74-95-3	Methylene bromide	2.0 U		25	22.8	91	24.4	98	7	68-124/25
75-09-2	Methylene chloride	0.60	JB	25	25.0	98	24.3	95	3	52-125/24
78-93-3	Methyl ethyl ketone	10 U		125	112	90	110	88	2	42-142/39
103-65-1	n-Propylbenzene	2.0 U		25	25.3	101	24.7	99	2	72-124/23
100-42-5	Styrene	2.0 U		25	21.2	85	20.9	84	1	68-115/26
630-20-6	1,1,1,2-Tetrachloroethane	2.0 U		25	22.3	89	22.5	90	1	77-113/21
71-55-6	1,1,1-Trichloroethane	2.0 U		25	24.2	97	23.8	95	2	72-134/22
79-34-5	1,1,2,2-Tetrachloroethane	2.0 U		25	24.6	98	25.8	103	5	55-132/34
79-00-5	1,1,2-Trichloroethane	2.0 U		25	23.2	93	23.6	94	2	66-121/26
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	14.5	58	19.7	79	30	23-142/41
96-18-4	1,2,3-Trichloropropane	2.0 U		25	21.6	86	22.3	89	3	52-128/27
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	17.6	70	20.2	81	14	34-134/30
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	24.5	98	24.2	97	1	73-120/20
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	25.2	101	24.8	99	2	72-121/23
127-18-4	Tetrachloroethylene	2.0 U		25	22.1	88	22.3	89	1	75-122/23
108-88-3	Toluene	2.0 U		25	24.9	100	24.7	99	1	79-119/21
79-01-6	Trichloroethylene	2.0 U		25	23.4	94	22.9	92	2	75-124/21
75-69-4	Trichlorofluoromethane	2.0 U		25	31.1	124	29.2	117	6	46-162/27
75-01-4	Vinyl chloride	2.0 U		25	26.7	107	20.0	80	29	58-150/29
108-05-4	Vinyl Acetate	10 U		125	139	111	139	111	0	10-160/34
1330-20-7	Xylene (total)	6.0 U		75	74.0	99	72.2	96	2	78-119/20

CAS No.	Surrogate Recoveries	MS	MSD	T20012-5	Limits
1868-53-7	Dibromofluoromethane	98%	99%	99%	76-125%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	103%	69-128%
2037-26-5	Toluene-D8	102%	103%	104%	80-121%
460-00-4	4-Bromofluorobenzene	106%	105%	113%	69-142%

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T20012-5MS	F0088699.D	1	12/10/07	ZLH	n/a	n/a	VF2798
T20012-5MSD	F0088700.D	1	12/10/07	ZLH	n/a	n/a	VF2798
T20012-5	F0088696.D	1	12/10/07	ZLH	n/a	n/a	VF2798

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-10, T19987-13, T19987-14

- (a) High RPD due to low concentration of a hit.
- (b) Advisory control limits.
- (c) Outside control limits due to matrix interference.

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19987-6MS	M0001162.D	1	12/11/07	LJ	n/a	n/a	VM48
T19987-6MSD	M0001163.D	1	12/11/07	LJ	n/a	n/a	VM48
T19987-6	M0001148.D	1	12/11/07	LJ	n/a	n/a	VM48

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-1, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	T19987-6 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD	
67-64-1	Acetone	22.8	J	263	221	75	268	82	19	28-156/37
71-43-2	Benzene	5.5 U		52.5	48.4	92	53.9	91	11	52-121/25
108-86-1	Bromobenzene	5.5 U		52.5	49.8	95	56.8	95	13	48-127/28
74-97-5	Bromochloromethane	5.5 U		52.5	48.9	93	54.0	91	10	53-122/25
75-27-4	Bromodichloromethane	5.5 U		52.5	44.2	84	51.3	86	15	48-126/26
75-25-2	Bromoform	5.5 U		52.5	48.6	93	56.6	95	15	50-123/28
71-36-3	n-Butyl Alcohol	55 U		525	320	61	323	54	1	50-150/30 <sup>a</sup>
104-51-8	n-Butylbenzene	5.5 U		52.5	46.5	89	52.0	87	11	29-142/28
98-06-6	tert-Butylbenzene	5.5 U		52.5	53.0	101	52.2	88	2	39-132/27
108-90-7	Chlorobenzene	5.5 U		52.5	48.6	93	53.8	90	10	51-123/23
75-00-3	Chloroethane	5.5 U		52.5	46.5	89	51.3	86	10	32-137/26
67-66-3	Chloroform	5.5 U		52.5	47.6	91	53.5	90	12	51-122/20
95-49-8	o-Chlorotoluene	5.5 U		52.5	49.3	94	55.7	94	12	42-132/24
106-43-4	p-Chlorotoluene	5.5 U		52.5	49.1	93	56.0	94	13	41-131/24
75-15-0	Carbon disulfide	11 U		52.5	31.4	60	36.5	61	15	23-130/27
56-23-5	Carbon tetrachloride	5.5 U		52.5	49.2	94	49.6	83	1	34-129/30
110-82-7	Cyclohexane	5.5 U		52.5	42.3	81	44.6	75	5	29-136/25
75-34-3	1,1-Dichloroethane	5.5 U		52.5	47.5	90	53.1	89	11	47-125/35
75-35-4	1,1-Dichloroethylene	5.5 U		52.5	45.1	86	49.6	83	10	33-133/36
563-58-6	1,1-Dichloropropene	5.5 U		52.5	44.3	84	49.0	82	10	42-131/33
96-12-8	1,2-Dibromo-3-chloropropane	5.5 U		52.5	43.3	82	52.9	89	20	26-153/37
106-93-4	1,2-Dibromoethane	5.5 U		52.5	47.6	91	55.6	93	16	57-123/27
107-06-2	1,2-Dichloroethane	5.5 U		52.5	43.8	83	51.0	86	15	52-126/28
78-87-5	1,2-Dichloropropane	5.5 U		52.5	48.7	93	54.9	92	12	54-122/27
142-28-9	1,3-Dichloropropane	5.5 U		52.5	47.5	90	53.6	90	12	55-123/27
123-91-1	1,4-Dioxane	280 U		1050	1160	110	1470	123	24	28-160/37
594-20-7	2,2-Dichloropropane	5.5 U		52.5	43.7	83	48.2	81	10	36-132/32
124-48-1	Dibromochloromethane	5.5 U		52.5	48.4	92	55.0	92	13	55-122/24
75-71-8	Dichlorodifluoromethane	5.5 U		52.5	33.1	63	36.4	61	9	25-134/34
156-59-2	cis-1,2-Dichloroethylene	5.5 U		52.5	46.8	89	51.3	86	9	53-118/22
10061-01-5	cis-1,3-Dichloropropene	5.5 U		52.5	48.8	93	56.1	94	14	46-130/18
156-60-5	trans-1,2-Dichloroethylene	5.5 U		52.5	45.1	86	49.6	83	10	46-128/27
10061-02-6	trans-1,3-Dichloropropene	5.5 U		52.5	48.3	92	54.4	91	12	51-139/26
100-41-4	Ethylbenzene	5.5 U		52.5	47.1	90	51.4	86	9	44-125/25
60-29-7	Ethyl Ether	5.5 U		52.5	59.5	113	68.3	115	14	50-150/30 <sup>a</sup>
110-54-3	Hexane	5.5 U		52.5	42.8	81	47.4	80	10	21-137/25

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19987-6MS	M0001162.D	1	12/11/07	LJ	n/a	n/a	VM48
T19987-6MSD	M0001163.D	1	12/11/07	LJ	n/a	n/a	VM48
T19987-6	M0001148.D	1	12/11/07	LJ	n/a	n/a	VM48

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-1, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	T19987-6 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	55 U	263	168	64	206	69	20	31-141/33
87-68-3	Hexachlorobutadiene	5.5 U	52.5	45.5	87	51.9	87	13	13-143/33
98-82-8	Isopropylbenzene	5.5 U	52.5	50.9	97	56.6	95	11	42-139/25
99-87-6	p-Isopropyltoluene	5.5 U	52.5	49.4	94	53.9	91	9	38-132/25
108-10-1	4-Methyl-2-pentanone	55 U	263	212	81	254	85	18	41-141/33
74-83-9	Methyl bromide	5.5 U	52.5	43.3	82	49.1	82	13	20-132/30
74-87-3	Methyl chloride	5.5 U	52.5	46.3	88	51.1	86	10	28-139/32
74-95-3	Methylene bromide	5.5 U	52.5	48.6	93	55.5	93	13	54-125/22
75-09-2	Methylene chloride	11 U	52.5	45.3	86	51.2	86	12	39-135/28
78-93-3	Methyl ethyl ketone	55 U	263	199	76	241	81	19	41-134/30
103-65-1	n-Propylbenzene	5.5 U	52.5	48.5	92	53.9	91	11	37-135/27
100-42-5	Styrene	5.5 U	52.5	38.7	74	48.6	82	23	41-126/23
630-20-6	1,1,1,2-Tetrachloroethane	5.5 U	52.5	49.3	94	55.3	93	11	53-122/36
71-55-6	1,1,1-Trichloroethane	5.5 U	52.5	45.5	87	50.7	85	11	41-127/36
79-34-5	1,1,2,2-Tetrachloroethane	5.5 U	52.5	45.0	86	51.8	87	14	43-141/34
79-00-5	1,1,2-Trichloroethane	5.5 U	52.5	46.9	89	53.7	90	14	56-123/28
87-61-6	1,2,3-Trichlorobenzene	5.5 U	52.5	45.7	87	54.0	91	17	12-151/31
96-18-4	1,2,3-Trichloropropane	5.5 U	52.5	43.3	82	50.9	85	16	45-137/33
120-82-1	1,2,4-Trichlorobenzene	5.5 U	52.5	46.3	88	53.6	90	15	13-148/39
95-63-6	1,2,4-Trimethylbenzene	5.5 U	52.5	50.2	96	54.9	92	9	39-131/37
108-67-8	1,3,5-Trimethylbenzene	5.5 U	52.5	51.0	97	55.5	93	8	39-132/35
127-18-4	Tetrachloroethylene	5.5 U	52.5	47.9	91	51.4	86	7	41-127/25
108-88-3	Toluene	5.5 U	52.5	47.6	91	52.2	88	9	48-126/23
79-01-6	Trichloroethylene	5.5 U	52.5	50.4	96	55.9	94	10	43-127/24
75-69-4	Trichlorofluoromethane	5.5 U	52.5	43.4	83	20.9	35	70*	28-143/27
75-01-4	Vinyl chloride	5.5 U	52.5	41.6	79	46.5	78	11	32-138/30
108-05-4	Vinyl Acetate	28 U	263	10.1	4*	16.5	6*	48*	18-163/39
1330-20-7	Xylene (total)	17 U	158	143	91	158	88	10	43-128/22

CAS No.	Surrogate Recoveries	MS	MSD	T19987-6	Limits
1868-53-7	Dibromofluoromethane	109%	108%	108%	68-127%
2037-26-5	Toluene-D8	119%	116%	121%	76-139%
460-00-4	4-Bromofluorobenzene	116%	118%	117%	68-167%
17060-07-0	1,2-Dichloroethane-D4	90%	94%	98%	56-121%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19987-6MS	M0001162.D	1	12/11/07	LJ	n/a	n/a	VM48
T19987-6MSD	M0001163.D	1	12/11/07	LJ	n/a	n/a	VM48
T19987-6	M0001148.D	1	12/11/07	LJ	n/a	n/a	VM48

The QC reported here applies to the following samples:

Method: SW846 8260B

T19987-1, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9, T19987-11, T19987-12

(a) Advisory control limits.

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## GC/MS Semi-volatiles

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### QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MB	H24654.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-1, T19987-2

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	42	ug/kg	
95-57-8	2-Chlorophenol	ND	170	51	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	53	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	56	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	110	ug/kg	
95-48-7	2-Methylphenol	ND	170	36	ug/kg	
	3&4-Methylphenol	ND	170	55	ug/kg	
100-02-7	4-Nitrophenol	ND	170	66	ug/kg	
87-86-5	Pentachlorophenol	ND	830	44	ug/kg	
108-95-2	Phenol	ND	170	67	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	47	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	45	ug/kg	
83-32-9	Acenaphthene	ND	170	40	ug/kg	
208-96-8	Acenaphthylene	ND	170	45	ug/kg	
120-12-7	Anthracene	ND	170	54	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	62	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	54	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	70	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	92	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	77	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	64	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	80	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	59	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	46	ug/kg	
106-47-8	4-Chloroaniline	ND	170	47	ug/kg	
86-74-8	Carbazole	ND	170	72	ug/kg	
218-01-9	Chrysene	ND	170	55	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	62	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	36	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	57	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	52	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	46	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	73	ug/kg	

# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MB	H24654.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-1, T19987-2

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	170	43	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	68	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	58	ug/kg	
132-64-9	Dibenzofuran	ND	170	46	ug/kg	
122-39-4	Diphenylamine	ND	170	73	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	170	82	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	150	ug/kg	
84-66-2	Diethyl phthalate	ND	170	46	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	41	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	170	83	ug/kg	
206-44-0	Fluoranthene	ND	170	75	ug/kg	
86-73-7	Fluorene	ND	170	51	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	55	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	51	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	60	ug/kg	
67-72-1	Hexachloroethane	ND	170	49	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	65	ug/kg	
78-59-1	Isophorone	ND	170	44	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	44	ug/kg	
88-74-4	2-Nitroaniline	ND	170	43	ug/kg	
99-09-2	3-Nitroaniline	ND	170	62	ug/kg	
100-01-6	4-Nitroaniline	ND	170	91	ug/kg	
91-20-3	Naphthalene	ND	170	40	ug/kg	
98-95-3	Nitrobenzene	ND	170	47	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	73	ug/kg	
85-01-8	Phenanthrene	ND	170	62	ug/kg	
129-00-0	Pyrene	ND	170	81	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	44	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
367-12-4	2-Fluorophenol	65%	26-124%
4165-62-2	Phenol-d5	71%	19-106%

## Method Blank Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MB	H24654.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-1, T19987-2

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	69%	18-129%
4165-60-0	Nitrobenzene-d5	73%	18-104%
321-60-8	2-Fluorobiphenyl	75%	21-114%
1718-51-0	Terphenyl-d14	65%	24-149%

## Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8657-MB	A24816.D	1	12/12/07	SC	12/07/07	OP8657	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-3, T19987-5, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	ND	170	170	ug/kg	
65-85-0	Benzoic acid	ND	830	42	ug/kg	
95-57-8	2-Chlorophenol	ND	170	51	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	53	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	56	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	110	ug/kg	
95-48-7	2-Methylphenol	ND	170	36	ug/kg	
	3&4-Methylphenol	ND	170	55	ug/kg	
100-02-7	4-Nitrophenol	ND	170	66	ug/kg	
87-86-5	Pentachlorophenol	ND	830	44	ug/kg	
108-95-2	Phenol	ND	170	67	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	47	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	45	ug/kg	
83-32-9	Acenaphthene	ND	170	40	ug/kg	
208-96-8	Acenaphthylene	ND	170	45	ug/kg	
120-12-7	Anthracene	ND	170	54	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	62	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	54	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	70	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	92	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	77	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	64	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	80	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	59	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	46	ug/kg	
106-47-8	4-Chloroaniline	ND	170	47	ug/kg	
86-74-8	Carbazole	ND	170	72	ug/kg	
218-01-9	Chrysene	ND	170	55	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	62	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	36	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	57	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	52	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	46	ug/kg	

## Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8657-MB	A24816.D	1	12/12/07	SC	12/07/07	OP8657	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-3, T19987-5, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	Result	RL	MDL	Units	Q
121-14-2	2,4-Dinitrotoluene	ND	170	73	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	43	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	68	ug/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	ND	170	170	ug/kg	
226-36-8	Dibenz(a,h)acridine	ND	170	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	58	ug/kg	
132-64-9	Dibenzofuran	ND	170	46	ug/kg	
122-39-4	Diphenylamine	ND	170	73	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	170	82	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	150	ug/kg	
84-66-2	Diethyl phthalate	ND	170	46	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	41	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	170	83	ug/kg	
206-44-0	Fluoranthene	ND	170	75	ug/kg	
86-73-7	Fluorene	ND	170	51	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	55	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	51	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	60	ug/kg	
67-72-1	Hexachloroethane	ND	170	49	ug/kg	
95-13-6	Indene	ND	830	830	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	65	ug/kg	
78-59-1	Isophorone	ND	170	44	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	44	ug/kg	
	6-Methyl Chrysene	ND	170	170	ug/kg	
88-74-4	2-Nitroaniline	ND	170	43	ug/kg	
99-09-2	3-Nitroaniline	ND	170	62	ug/kg	
100-01-6	4-Nitroaniline	ND	170	91	ug/kg	
91-20-3	Naphthalene	ND	170	40	ug/kg	
98-95-3	Nitrobenzene	ND	170	47	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	73	ug/kg	
85-01-8	Phenanthrene	ND	170	62	ug/kg	
129-00-0	Pyrene	ND	170	81	ug/kg	
91-22-5	Quinoline	ND	170	170	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	44	ug/kg	

## Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8657-MB	A24816.D	1	12/12/07	SC	12/07/07	OP8657	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-3, T19987-5, T19987-8, T19987-9, T19987-11, T19987-12

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CAS No.	Compound	Result	RL	MDL	Units	Q
	1,3&1,4-Cyclohexanediol	ND	170	170	ug/kg	
931-17-9	1,2-Cyclohexanediol	ND	170	170	ug/kg	
98-85-1	1-Phenylethanol	ND	170	170	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
367-12-4	2-Fluorophenol	54%	26-124%
4165-62-2	Phenol-d5	65%	19-106%
118-79-6	2,4,6-Tribromophenol	71%	18-129%
4165-60-0	Nitrobenzene-d5	66%	18-104%
321-60-8	2-Fluorobiphenyl	73%	21-114%
1718-51-0	Terphenyl-d14	75%	24-149%

# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8660-MB	H24661.D	1	12/09/07	SC	12/08/07	OP8660	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	0.58	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.8	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	2.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	3.9	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.2	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
100-02-7	4-Nitrophenol	ND	25	1.7	ug/l	
87-86-5	Pentachlorophenol	ND	25	4.0	ug/l	
108-95-2	Phenol	ND	5.0	0.52	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.5	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.5	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.6	ug/l	
120-12-7	Anthracene	ND	5.0	1.8	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.5	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	2.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.7	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	1.6	ug/l	
86-74-8	Carbazole	ND	5.0	1.7	ug/l	
218-01-9	Chrysene	ND	5.0	1.3	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.6	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.2	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.6	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.4	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.7	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	3.7	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.3	ug/l	
132-64-9	Dibenzofuran	ND	5.0	2.3	ug/l	

## Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8660-MB	H24661.D	1	12/09/07	SC	12/08/07	OP8660	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

CAS No.	Compound	Result	RL	MDL	Units	Q
122-39-4	Diphenylamine	ND	5.0	1.9	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.6	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.3	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	1.8	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.6	ug/l	
86-73-7	Fluorene	ND	5.0	2.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.9	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.4	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.7	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.4	ug/l	
78-59-1	Isophorone	ND	5.0	1.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.7	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	2.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	2.7	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.5	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.4	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.7	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.9	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.6	ug/l	
129-00-0	Pyrene	ND	5.0	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Limits	
367-12-4	2-Fluorophenol	30%	10-66%
4165-62-2	Phenol-d5	22%	10-53%
118-79-6	2,4,6-Tribromophenol	43%	32-128%
4165-60-0	Nitrobenzene-d5	55%	29-115%
321-60-8	2-Fluorobiphenyl	59%	34-113%
1718-51-0	Terphenyl-d14	52%	12-145%

# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8681-MB	H24683.D	1	12/10/07	SC	12/10/07	OP8681	EH1387

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	42	ug/kg	
95-57-8	2-Chlorophenol	ND	170	51	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	53	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	56	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	110	ug/kg	
95-48-7	2-Methylphenol	ND	170	36	ug/kg	
	3&4-Methylphenol	ND	170	55	ug/kg	
100-02-7	4-Nitrophenol	ND	170	66	ug/kg	
87-86-5	Pentachlorophenol	ND	830	44	ug/kg	
108-95-2	Phenol	ND	170	67	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	47	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	45	ug/kg	
83-32-9	Acenaphthene	ND	170	40	ug/kg	
208-96-8	Acenaphthylene	ND	170	45	ug/kg	
120-12-7	Anthracene	ND	170	54	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	62	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	54	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	70	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	92	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	77	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	64	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	80	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	59	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	46	ug/kg	
106-47-8	4-Chloroaniline	ND	170	47	ug/kg	
86-74-8	Carbazole	ND	170	72	ug/kg	
218-01-9	Chrysene	ND	170	55	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	62	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	36	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	57	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	52	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	46	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	73	ug/kg	

# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8681-MB	H24683.D	1	12/10/07	SC	12/10/07	OP8681	EH1387

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-6

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	170	43	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	68	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	58	ug/kg	
132-64-9	Dibenzofuran	ND	170	46	ug/kg	
122-39-4	Diphenylamine	ND	170	73	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	170	82	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	150	ug/kg	
84-66-2	Diethyl phthalate	ND	170	46	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	41	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	170	83	ug/kg	
206-44-0	Fluoranthene	ND	170	75	ug/kg	
86-73-7	Fluorene	ND	170	51	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	55	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	51	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	60	ug/kg	
67-72-1	Hexachloroethane	ND	170	49	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	65	ug/kg	
78-59-1	Isophorone	ND	170	44	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	44	ug/kg	
88-74-4	2-Nitroaniline	ND	170	43	ug/kg	
99-09-2	3-Nitroaniline	ND	170	62	ug/kg	
100-01-6	4-Nitroaniline	ND	170	91	ug/kg	
91-20-3	Naphthalene	ND	170	40	ug/kg	
98-95-3	Nitrobenzene	ND	170	47	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	73	ug/kg	
85-01-8	Phenanthrene	ND	170	62	ug/kg	
129-00-0	Pyrene	ND	170	81	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	44	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
367-12-4	2-Fluorophenol	61%	26-124%
4165-62-2	Phenol-d5	58%	19-106%

## Method Blank Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8681-MB	H24683.D	1	12/10/07	SC	12/10/07	OP8681	EH1387

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-6

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	59%	18-129%
4165-60-0	Nitrobenzene-d5	63%	18-104%
321-60-8	2-Fluorobiphenyl	67%	21-114%
1718-51-0	Terphenyl-d14	64%	24-149%

6.1

6

# Method Blank Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8671-MB	A24733.D	1	12/09/07	SC	12/08/07	OP8671	EA1538

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

6.1  
6

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	0.20	0.055	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.099	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.056	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.046	ug/l	

CAS No.	Surrogate Recoveries	Limits
4165-60-0	Nitrobenzene-d5	54% <sup>a</sup> 35-114%
321-60-8	2-Fluorobiphenyl	51% <sup>a</sup> 43-116%
1718-51-0	Terphenyl-d14	65% <sup>a</sup> 33-141%

(a) Recovery was adjusted for 10x spiking.

# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-BS	H24655.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-1, T19987-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	1670	988	59	16-113
95-57-8	2-Chlorophenol	1670	1230	74	48-112
59-50-7	4-Chloro-3-methyl phenol	1670	1320	79	55-115
120-83-2	2,4-Dichlorophenol	1670	1220	73	53-110
105-67-9	2,4-Dimethylphenol	1670	1130	68	41-105
51-28-5	2,4-Dinitrophenol	1670	1390	83	10-140
534-52-1	4,6-Dinitro-o-cresol	1670	1430	86	37-122
95-48-7	2-Methylphenol	1670	1180	71	47-112
	3&4-Methylphenol	3330	2350	71	47-115
100-02-7	4-Nitrophenol	1670	1440	86	22-130
87-86-5	Pentachlorophenol	1670	1850	111	47-135
108-95-2	Phenol	1670	1260	76	44-115
95-95-4	2,4,5-Trichlorophenol	1670	1250	75	47-123
88-06-2	2,4,6-Trichlorophenol	1670	1280	77	52-117
83-32-9	Acenaphthene	1670	1220	73	50-115
208-96-8	Acenaphthylene	1670	1480	89	59-127
120-12-7	Anthracene	1670	1260	76	58-117
56-55-3	Benzo(a)anthracene	1670	1320	79	62-114
50-32-8	Benzo(a)pyrene	1670	1320	79	59-117
205-99-2	Benzo(b)fluoranthene	1670	1190	71	51-123
191-24-2	Benzo(g,h,i)perylene	1670	1650	99	35-141
207-08-9	Benzo(k)fluoranthene	1670	1290	77	53-130
101-55-3	4-Bromophenyl phenyl ether	1670	1350	81	60-118
85-68-7	Butyl benzyl phthalate	1670	1390	83	56-126
100-51-6	Benzyl Alcohol	1670	1220	73	48-112
91-58-7	2-Chloronaphthalene	1670	1330	80	52-119
106-47-8	4-Chloroaniline	1670	1070	64	12-110
86-74-8	Carbazole	1670	1180	71	44-151
218-01-9	Chrysene	1670	1380	83	63-112
111-91-1	bis(2-Chloroethoxy)methane	1670	1200	72	47-111
111-44-4	bis(2-Chloroethyl)ether	1670	1100	66	42-112
7005-72-3	4-Chlorophenyl phenyl ether	1670	1320	79	56-122
95-50-1	1,2-Dichlorobenzene	1670	1170	70	48-112
541-73-1	1,3-Dichlorobenzene	1670	1190	71	50-110
106-46-7	1,4-Dichlorobenzene	1670	1220	73	49-112
121-14-2	2,4-Dinitrotoluene	1670	1410	85	56-127

# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-BS	H24655.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-1, T19987-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	1670	1330	80	61-121
91-94-1	3,3'-Dichlorobenzidine	1670	1660	100	33-182
53-70-3	Dibenzo(a,h)anthracene	1670	1650	99	40-139
132-64-9	Dibenzofuran	1670	1210	73	56-120
122-39-4	Diphenylamine	1670	1390	83	62-147
84-74-2	Di-n-butyl phthalate	1670	1540	92	60-120
117-84-0	Di-n-octyl phthalate	1670	1480	89	41-142
84-66-2	Diethyl phthalate	1670	1310	79	60-126
131-11-3	Dimethyl phthalate	1670	1320	79	61-121
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1740	104	55-130
206-44-0	Fluoranthene	1670	1650	99	56-123
86-73-7	Fluorene	1670	1180	71	54-118
118-74-1	Hexachlorobenzene	1670	1310	79	61-117
87-68-3	Hexachlorobutadiene	1670	1280	77	45-114
77-47-4	Hexachlorocyclopentadiene	1670	2270	136	11-136
67-72-1	Hexachloroethane	1670	1190	71	47-118
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1360	82	37-136
78-59-1	Isophorone	1670	1270	76	51-115
90-12-0	1-Methylnaphthalene	1670	1140	68	50-106
91-57-6	2-Methylnaphthalene	1670	1200	72	49-114
88-74-4	2-Nitroaniline	1670	1390	83	52-126
99-09-2	3-Nitroaniline	1670	1470	88	35-151
100-01-6	4-Nitroaniline	1670	2490	149	65-180
91-20-3	Naphthalene	1670	1170	70	49-111
98-95-3	Nitrobenzene	1670	1290	77	47-117
621-64-7	N-Nitroso-di-n-propylamine	1670	1390	83	44-119
86-30-6	N-Nitrosodiphenylamine	1670	1390	83	63-147
85-01-8	Phenanthrene	1670	1300	78	60-117
129-00-0	Pyrene	1670	1040	62	53-124
120-82-1	1,2,4-Trichlorobenzene	1670	1260	76	52-116

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	74%	26-124%
4165-62-2	Phenol-d5	75%	19-106%

# Blank Spike Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-BS	H24655.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-1, T19987-2

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	86%	18-129%
4165-60-0	Nitrobenzene-d5	76%	18-104%
321-60-8	2-Fluorobiphenyl	75%	21-114%
1718-51-0	Terphenyl-d14	69%	24-149%

6.2  
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# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8657-BS	A24817.D	1	12/12/07	SC	12/07/07	OP8657	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-3, T19987-5, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	1670	1540	92	16-113
95-57-8	2-Chlorophenol	1670	1460	88	48-112
59-50-7	4-Chloro-3-methyl phenol	1670	1670	100	55-115
120-83-2	2,4-Dichlorophenol	1670	1490	89	53-110
105-67-9	2,4-Dimethylphenol	1670	1290	77	41-105
51-28-5	2,4-Dinitrophenol	1670	1480	89	10-140
534-52-1	4,6-Dinitro-o-cresol	1670	1510	91	37-122
95-48-7	2-Methylphenol	1670	1370	82	47-112
	3&4-Methylphenol	3330	2890	87	47-115
100-02-7	4-Nitrophenol	1670	1810	109	22-130
87-86-5	Pentachlorophenol	1670	1810	109	47-135
108-95-2	Phenol	1670	1430	86	44-115
95-95-4	2,4,5-Trichlorophenol	1670	1580	95	47-123
88-06-2	2,4,6-Trichlorophenol	1670	1570	94	52-117
83-32-9	Acenaphthene	1670	1470	88	50-115
208-96-8	Acenaphthylene	1670	1820	109	59-127
120-12-7	Anthracene	1670	1540	92	58-117
56-55-3	Benzo(a)anthracene	1670	1570	94	62-114
50-32-8	Benzo(a)pyrene	1670	1600	96	59-117
205-99-2	Benzo(b)fluoranthene	1670	1610	97	51-123
191-24-2	Benzo(g,h,i)perylene	1670	1560	94	35-141
207-08-9	Benzo(k)fluoranthene	1670	1460	88	53-130
101-55-3	4-Bromophenyl phenyl ether	1670	1590	95	60-118
85-68-7	Butyl benzyl phthalate	1670	1740	104	56-126
100-51-6	Benzyl Alcohol	1670	1560	94	48-112
91-58-7	2-Chloronaphthalene	1670	1630	98	52-119
106-47-8	4-Chloroaniline	1670	1210	73	12-110
86-74-8	Carbazole	1670	1820	109	44-151
218-01-9	Chrysene	1670	1650	99	63-112
111-91-1	bis(2-Chloroethoxy)methane	1670	1480	89	47-111
111-44-4	bis(2-Chloroethyl)ether	1670	1370	82	42-112
7005-72-3	4-Chlorophenyl phenyl ether	1670	1540	92	56-122
95-50-1	1,2-Dichlorobenzene	1670	1460	88	48-112
541-73-1	1,3-Dichlorobenzene	1670	1420	85	50-110
106-46-7	1,4-Dichlorobenzene	1670	1450	87	49-112
121-14-2	2,4-Dinitrotoluene	1670	1820	109	56-127

# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8657-BS	A24817.D	1	12/12/07	SC	12/07/07	OP8657	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-3, T19987-5, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	1670	1800	108	61-121
91-94-1	3,3'-Dichlorobenzidine	1670	3230	194*	33-182
53-70-3	Dibenzo(a,h)anthracene	1670	1670	100	40-139
132-64-9	Dibenzofuran	1670	1600	96	56-120
122-39-4	Diphenylamine	1670	1760	106	62-147
84-74-2	Di-n-butyl phthalate	1670	1660	100	60-120
117-84-0	Di-n-octyl phthalate	1670	1470	88	41-142
84-66-2	Diethyl phthalate	1670	1500	90	60-126
131-11-3	Dimethyl phthalate	1670	1650	99	61-121
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1930	116	55-130
206-44-0	Fluoranthene	1670	1670	100	56-123
86-73-7	Fluorene	1670	1570	94	54-118
118-74-1	Hexachlorobenzene	1670	1630	98	61-117
87-68-3	Hexachlorobutadiene	1670	1540	92	45-114
77-47-4	Hexachlorocyclopentadiene	1670	1900	114	11-136
67-72-1	Hexachloroethane	1670	1340	80	47-118
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1790	107	37-136
78-59-1	Isophorone	1670	1630	98	51-115
90-12-0	1-Methylnaphthalene	1670	1490	89	50-106
91-57-6	2-Methylnaphthalene	1670	1430	86	49-114
88-74-4	2-Nitroaniline	1670	1690	101	52-126
99-09-2	3-Nitroaniline	1670	1900	114	35-151
100-01-6	4-Nitroaniline	1670	3130	188*	65-180
91-20-3	Naphthalene	1670	1510	91	49-111
98-95-3	Nitrobenzene	1670	1510	91	47-117
621-64-7	N-Nitroso-di-n-propylamine	1670	1670	100	44-119
86-30-6	N-Nitrosodiphenylamine	1670	1760	106	63-147
85-01-8	Phenanthrene	1670	1620	97	60-117
129-00-0	Pyrene	1670	1530	92	53-124
120-82-1	1,2,4-Trichlorobenzene	1670	1520	91	52-116

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	82%	26-124%
4165-62-2	Phenol-d5	88%	19-106%

# Blank Spike Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8657-BS	A24817.D	1	12/12/07	SC	12/07/07	OP8657	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-3, T19987-5, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	100%	18-129%
4165-60-0	Nitrobenzene-d5	85%	18-104%
321-60-8	2-Fluorobiphenyl	89%	21-114%
1718-51-0	Terphenyl-d14	89%	24-149%

6.2  
9

# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8660-BS	H24662.D	1	12/09/07	SC	12/08/07	OP8660	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	50	16.9	34	10-51
95-57-8	2-Chlorophenol	50	36.1	72	47-87
59-50-7	4-Chloro-3-methyl phenol	50	39.7	79	43-109
120-83-2	2,4-Dichlorophenol	50	37.7	75	42-106
105-67-9	2,4-Dimethylphenol	50	35.9	72	37-100
51-28-5	2,4-Dinitrophenol	50	46.0	92	23-113
534-52-1	4,6-Dinitro-o-cresol	50	46.3	93	30-115
95-48-7	2-Methylphenol	50	31.1	62	31-95
	3&4-Methylphenol	100	56.8	57	38-78
100-02-7	4-Nitrophenol	50	24.2	48	13-52
87-86-5	Pentachlorophenol	50	59.8	120	42-129
108-95-2	Phenol	50	18.2	36	10-53
95-95-4	2,4,5-Trichlorophenol	50	37.5	75	40-116
88-06-2	2,4,6-Trichlorophenol	50	39.0	78	43-113
83-32-9	Acenaphthene	50	37.9	76	41-110
208-96-8	Acenaphthylene	50	45.8	92	50-123
120-12-7	Anthracene	50	43.3	87	64-107
191-24-2	Benzo(g,h,i)perylene	50	44.1	88	31-139
101-55-3	4-Bromophenyl phenyl ether	50	42.4	85	52-115
85-68-7	Butyl benzyl phthalate	50	47.2	94	38-132
100-51-6	Benzyl Alcohol	50	33.5	67	20-97
91-58-7	2-Chloronaphthalene	50	39.8	80	40-115
106-47-8	4-Chloroaniline	50	40.6	81	26-131
86-74-8	Carbazole	50	43.4	87	39-155
218-01-9	Chrysene	50	47.0	94	55-112
111-91-1	bis(2-Chloroethoxy)methane	50	37.9	76	45-108
111-44-4	bis(2-Chloroethyl)ether	50	36.0	72	41-107
7005-72-3	4-Chlorophenyl phenyl ether	50	42.8	86	47-118
95-50-1	1,2-Dichlorobenzene	50	35.8	72	36-98
541-73-1	1,3-Dichlorobenzene	50	37.5	75	37-94
106-46-7	1,4-Dichlorobenzene	50	36.7	73	38-95
121-14-2	2,4-Dinitrotoluene	50	47.5	95	46-125
606-20-2	2,6-Dinitrotoluene	50	41.3	83	54-118
91-94-1	3,3'-Dichlorobenzidine	50	67.5	135	62-153
53-70-3	Dibenzo(a,h)anthracene	50	47.7	95	37-136
132-64-9	Dibenzofuran	50	39.2	78	41-122

# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8660-BS	H24662.D	1	12/09/07	SC	12/08/07	OP8660	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
122-39-4	Diphenylamine	50	50.7	101	50-157
84-74-2	Di-n-butyl phthalate	50	52.8	106	50-120
117-84-0	Di-n-octyl phthalate	50	49.5	99	36-132
84-66-2	Diethyl phthalate	50	44.5	89	49-120
131-11-3	Dimethyl phthalate	50	42.3	85	53-119
117-81-7	bis(2-Ethylhexyl)phthalate	50	59.1	118	50-128
206-44-0	Fluoranthene	50	54.6	109	48-119
86-73-7	Fluorene	50	40.7	81	44-116
118-74-1	Hexachlorobenzene	50	43.7	87	53-117
87-68-3	Hexachlorobutadiene	50	38.0	76	27-100
77-47-4	Hexachlorocyclopentadiene	50	58.3	117*	10-108
67-72-1	Hexachloroethane	50	36.4	73	35-96
193-39-5	Indeno(1,2,3-cd)pyrene	50	38.1	76	34-135
78-59-1	Isophorone	50	39.4	79	49-110
90-12-0	1-Methylnaphthalene	50	36.1	72	40-99
91-57-6	2-Methylnaphthalene	50	37.1	74	38-108
88-74-4	2-Nitroaniline	50	42.7	85	46-122
99-09-2	3-Nitroaniline	50	52.9	106	42-156
100-01-6	4-Nitroaniline	50	93.0	186	60-218
91-20-3	Naphthalene	50	36.3	73	41-100
98-95-3	Nitrobenzene	50	39.5	79	47-107
621-64-7	N-Nitroso-di-n-propylamine	50	44.4	89	43-115
86-30-6	N-Nitrosodiphenylamine	50	50.7	101	50-157
85-01-8	Phenanthrene	50	43.5	87	55-112
129-00-0	Pyrene	50	39.2	78	43-126
120-82-1	1,2,4-Trichlorobenzene	50	37.9	76	35-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	47%	10-66%
4165-62-2	Phenol-d5	30%	10-53%
118-79-6	2,4,6-Tribromophenol	86%	32-128%
4165-60-0	Nitrobenzene-d5	74%	29-115%
321-60-8	2-Fluorobiphenyl	71%	34-113%
1718-51-0	Terphenyl-d14	81%	12-145%

# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8681-BS	H24684.D	1	12/10/07	SC	12/10/07	OP8681	EH1387

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	1670	1150	69	16-113
95-57-8	2-Chlorophenol	1670	1380	83	48-112
59-50-7	4-Chloro-3-methyl phenol	1670	1500	90	55-115
120-83-2	2,4-Dichlorophenol	1670	1390	83	53-110
105-67-9	2,4-Dimethylphenol	1670	1360	82	41-105
51-28-5	2,4-Dinitrophenol	1670	1600	96	10-140
534-52-1	4,6-Dinitro-o-cresol	1670	1570	94	37-122
95-48-7	2-Methylphenol	1670	1400	84	47-112
	3&4-Methylphenol	3330	2630	79	47-115
100-02-7	4-Nitrophenol	1670	1460	88	22-130
87-86-5	Pentachlorophenol	1670	1910	115	47-135
108-95-2	Phenol	1670	1420	85	44-115
95-95-4	2,4,5-Trichlorophenol	1670	1390	83	47-123
88-06-2	2,4,6-Trichlorophenol	1670	1400	84	52-117
83-32-9	Acenaphthene	1670	1380	83	50-115
208-96-8	Acenaphthylene	1670	1630	98	59-127
120-12-7	Anthracene	1670	1470	88	58-117
56-55-3	Benzo(a)anthracene	1670	1550	93	62-114
50-32-8	Benzo(a)pyrene	1670	1640	98	59-117
205-99-2	Benzo(b)fluoranthene	1670	1650	99	51-123
191-24-2	Benzo(g,h,i)perylene	1670	846	51	35-141
207-08-9	Benzo(k)fluoranthene	1670	1830	110	53-130
101-55-3	4-Bromophenyl phenyl ether	1670	1460	88	60-118
85-68-7	Butyl benzyl phthalate	1670	1530	92	56-126
100-51-6	Benzyl Alcohol	1670	1430	86	48-112
91-58-7	2-Chloronaphthalene	1670	1410	85	52-119
106-47-8	4-Chloroaniline	1670	1210	73	12-110
86-74-8	Carbazole	1670	1380	83	44-151
218-01-9	Chrysene	1670	1580	95	63-112
111-91-1	bis(2-Chloroethoxy)methane	1670	1330	80	47-111
111-44-4	bis(2-Chloroethyl)ether	1670	1240	74	42-112
7005-72-3	4-Chlorophenyl phenyl ether	1670	1530	92	56-122
95-50-1	1,2-Dichlorobenzene	1670	1400	84	48-112
541-73-1	1,3-Dichlorobenzene	1670	1400	84	50-110
106-46-7	1,4-Dichlorobenzene	1670	1400	84	49-112
121-14-2	2,4-Dinitrotoluene	1670	1640	98	56-127

6.2  
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# Blank Spike Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8681-BS	H24684.D	1	12/10/07	SC	12/10/07	OP8681	EH1387

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	1670	1420	85	61-121
91-94-1	3,3'-Dichlorobenzidine	1670	1660	100	33-182
53-70-3	Dibenzo(a,h)anthracene	1670	1160	70	40-139
132-64-9	Dibenzofuran	1670	1400	84	56-120
122-39-4	Diphenylamine	1670	1490	89	62-147
84-74-2	Di-n-butyl phthalate	1670	1750	105	60-120
117-84-0	Di-n-octyl phthalate	1670	2170	130	41-142
84-66-2	Diethyl phthalate	1670	1530	92	60-126
131-11-3	Dimethyl phthalate	1670	1470	88	61-121
117-81-7	bis(2-Ethylhexyl)phthalate	1670	2000	120	55-130
206-44-0	Fluoranthene	1670	1840	110	56-123
86-73-7	Fluorene	1670	1470	88	54-118
118-74-1	Hexachlorobenzene	1670	1480	89	61-117
87-68-3	Hexachlorobutadiene	1670	1410	85	45-114
77-47-4	Hexachlorocyclopentadiene	1670	2530	152* a	11-136
67-72-1	Hexachloroethane	1670	1360	82	47-118
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1110	67	37-136
78-59-1	Isophorone	1670	1420	85	51-115
90-12-0	1-Methylnaphthalene	1670	1340	80	50-106
91-57-6	2-Methylnaphthalene	1670	1390	83	49-114
88-74-4	2-Nitroaniline	1670	1500	90	52-126
99-09-2	3-Nitroaniline	1670	1630	98	35-151
100-01-6	4-Nitroaniline	1670	2870	172	65-180
91-20-3	Naphthalene	1670	1320	79	49-111
98-95-3	Nitrobenzene	1670	1440	86	47-117
621-64-7	N-Nitroso-di-n-propylamine	1670	1520	91	44-119
86-30-6	N-Nitrosodiphenylamine	1670	1490	89	63-147
85-01-8	Phenanthrene	1670	1460	88	60-117
129-00-0	Pyrene	1670	1140	68	53-124
120-82-1	1,2,4-Trichlorobenzene	1670	1420	85	52-116

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	78%	26-124%
4165-62-2	Phenol-d5	75%	19-106%

# Blank Spike Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8681-BS	H24684.D	1	12/10/07	SC	12/10/07	OP8681	EH1387

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-6

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	87%	18-129%
4165-60-0	Nitrobenzene-d5	79%	18-104%
321-60-8	2-Fluorobiphenyl	74%	21-114%
1718-51-0	Terphenyl-d14	73%	24-149%

(a) Not detected in associated samples.

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MS	A24830.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
OP8652-MSD	A24831.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
T19944-1	A24825.D	1	12/12/07	SC	12/07/07	OP8652	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-1, T19987-2

CAS No.	Compound	T19944-1 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	300 U		2980	2040	69	2140	72	5	33-109/27
59-50-7	4-Chloro-3-methyl phenol	300 U		2980	2290	77	2390	80	4	44-118/22
120-83-2	2,4-Dichlorophenol	300 U		2980	2030	68	2140	72	5	34-117/28
105-67-9	2,4-Dimethylphenol	300 U		2980	1890	63	1840	62	3	37-113/23
51-28-5	2,4-Dinitrophenol	1500 U		2980	1450	49	1660	56	14	10-119/25
534-52-1	4,6-Dinitro-o-cresol	590 U		2980	2060	69	2130	71	3	38-103/26
95-48-7	2-Methylphenol	300 U		2980	2010	68	2170	73	8	38-109/26
	3&4-Methylphenol	300 U		5950	4390	74	4530	76	3	36-115/26
100-02-7	4-Nitrophenol	300 U		2980	2470	83	2740	92	10	12-142/27
87-86-5	Pentachlorophenol	1500 U		2980	2400	81	2430	82	1	43-134/20
108-95-2	Phenol	300 U		2980	2180	73	2180	73	0	33-109/23
95-95-4	2,4,5-Trichlorophenol	300 U		2980	2110	71	2400	81	13	35-123/21
88-06-2	2,4,6-Trichlorophenol	300 U		2980	2100	71	2470	83	16	31-129/21
83-32-9	Acenaphthene	300 U		2980	1880	63	1880	63	0	39-113/21
208-96-8	Acenaphthylene	300 U		2980	2280	77	2230	75	2	45-125/23
120-12-7	Anthracene	300 U		2980	2010	68	1960	66	3	41-122/19
56-55-3	Benzo(a)anthracene	300 U		2980	2230	75	2110	71	6	48-114/18
50-32-8	Benzo(a)pyrene	300 U		2980	2190	74	2190	73	0	45-114/20
205-99-2	Benzo(b)fluoranthene	300 U		2980	2370	80	2100	70	12	42-116/23
191-24-2	Benzo(g,h,i)perylene	300 U		2980	2750	92	2750	92	0	22-131/35
207-08-9	Benzo(k)fluoranthene	300 U		2980	2130	72	2090	70	2	39-126/22
101-55-3	4-Bromophenyl phenyl ether	300 U		2980	2050	69	2050	69	0	38-127/19
85-68-7	Butyl benzyl phthalate	300 U		2980	2720	91	2660	89	2	32-147/24
100-51-6	Benzyl Alcohol	300 U		2980	2210	74	2300	77	4	36-111/26
91-58-7	2-Chloronaphthalene	300 U		2980	2120	71	2130	71	0	36-119/23
106-47-8	4-Chloroaniline	300 U		2980	1730	58	1880	63	8	14-114/27
86-74-8	Carbazole	300 U		2980	2400	81	2330	78	3	27-158/19
218-01-9	Chrysene	300 U		2980	2330	78	2230	75	4	47-113/19
111-91-1	bis(2-Chloroethoxy)methane	300 U		2980	1990	67	1950	65	2	35-109/25
111-44-4	bis(2-Chloroethyl)ether	300 U		2980	1900	64	1810	61	5	29-109/26
7005-72-3	4-Chlorophenyl phenyl ether	300 U		2980	1940	65	1960	66	1	41-123/21
95-50-1	1,2-Dichlorobenzene	300 U		2980	1860	62	1510	51	21	23-114/30
541-73-1	1,3-Dichlorobenzene	300 U		2980	1750	59	1320	44	28*	21-112/27
106-46-7	1,4-Dichlorobenzene	300 U		2980	1760	59	1340	45	27	23-114/27
121-14-2	2,4-Dinitrotoluene	300 U		2980	2230	75	2520	85	12	42-134/25
606-20-2	2,6-Dinitrotoluene	300 U		2980	2300	77	2480	83	8	49-119/21

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MS	A24830.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
OP8652-MSD	A24831.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
T19944-1	A24825.D	1	12/12/07	SC	12/07/07	OP8652	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-1, T19987-2

CAS No.	Compound	T19944-1 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
91-94-1	3,3'-Dichlorobenzidine	590 U	2980	2890	97	3520	118	20	37-149/27	
53-70-3	Dibenzo(a,h)anthracene	300 U	2980	2580	87	2550	86	1	23-135/28	
132-64-9	Dibenzofuran	300 U	2980	1930	65	1960	66	2	39-126/19	
122-39-4	Diphenylamine	300 U	2980	2250	76	2270	76	1	38-161/25	
84-74-2	Di-n-butyl phthalate	300 U	2980	2220	75	2220	74	0	43-124/20	
117-84-0	Di-n-octyl phthalate	300 U	2980	2780	93	2700	91	3	22-162/29	
84-66-2	Diethyl phthalate	300 U	2980	1930	65	2020	68	5	44-129/21	
131-11-3	Dimethyl phthalate	300 U	2980	2160	73	2330	78	8	48-122/16	
117-81-7	bis(2-Ethylhexyl)phthalate	300 U	2980	3080	103	3080	103	0	41-138/24	
206-44-0	Fluoranthene	300 U	2980	2100	71	2030	68	3	29-127/24	
86-73-7	Fluorene	300 U	2980	1940	65	2050	69	6	39-122/22	
118-74-1	Hexachlorobenzene	300 U	2980	2170	73	2070	69	5	46-119/24	
87-68-3	Hexachlorobutadiene	300 U	2980	1700	57	1400	47	19	15-117/26	
77-47-4	Hexachlorocyclopentadiene	300 U	2980	1890	63	1830	61	3	12-103/29	
67-72-1	Hexachloroethane	300 U	2980	1620	54	1260	42	25	18-116/30	
193-39-5	Indeno(1,2,3-cd)pyrene	300 U	2980	2930	98	2840	95	3	23-127/32	
78-59-1	Isophorone	300 U	2980	2080	70	2130	71	2	36-116/24	
90-12-0	1-Methylnaphthalene	300 U	2980	1820	61	1550	52	16	38-105/25	
91-57-6	2-Methylnaphthalene	300 U	2980	1760	59	1580	53	11	37-113/26	
88-74-4	2-Nitroaniline	300 U	2980	2280	77	2620	88	14	38-131/18	
99-09-2	3-Nitroaniline	300 U	2980	2630	88	2800	94	6	30-144/23	
100-01-6	4-Nitroaniline	300 U	2980	4030	135	4690	157	15	54-196/32	
91-20-3	Naphthalene	300 U	2980	1910	64	1600	54	18	28-113/25	
98-95-3	Nitrobenzene	300 U	2980	2060	69	1840	62	11	32-113/26	
621-64-7	N-Nitroso-di-n-propylamine	300 U	2980	2320	78	2340	79	1	34-118/24	
86-30-6	N-Nitrosodiphenylamine	300 U	2980	2250	76	2270	76	1	40-157/24	
85-01-8	Phenanthrene	300 U	2980	2190	74	2030	68	8	40-121/19	
129-00-0	Pyrene	300 U	2980	2300	77	2210	74	4	32-144/24	
120-82-1	1,2,4-Trichlorobenzene	300 U	2980	1820	61	1530	51	17	25-120/26	

CAS No.	Surrogate Recoveries	MS	MSD	T19944-1	Limits
367-12-4	2-Fluorophenol	64%	66%	54%	26-124%
4165-62-2	Phenol-d5	69%	70%	62%	19-106%
118-79-6	2,4,6-Tribromophenol	76%	77%	76%	18-129%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MS	A24830.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
OP8652-MSD	A24831.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
T19944-1	A24825.D	1	12/12/07	SC	12/07/07	OP8652	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-1, T19987-2

CAS No.	Surrogate Recoveries	MS	MSD	T19944-1	Limits
4165-60-0	Nitrobenzene-d5	66%	66%	64%	18-104%
321-60-8	2-Fluorobiphenyl	65%	71%	68%	21-114%
1718-51-0	Terphenyl-d14	80%	78%	69%	24-149%

6.3  
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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8657-MS	A24852.D	1	12/13/07	SC	12/07/07	OP8657	EA1542
OP8657-MSD	A24853.D	1	12/13/07	SC	12/07/07	OP8657	EA1542
T19964-4	A24835.D	1	12/12/07	SC	12/07/07	OP8657	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-3, T19987-5, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	T19964-4 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	910 U		1810	321	18	336	18	5	11-74/19
95-57-8	2-Chlorophenol	180 U		1810	969	53	1040	56	7	33-109/27
59-50-7	4-Chloro-3-methyl phenol	180 U		1810	1270	70	1200	65	6	44-118/22
120-83-2	2,4-Dichlorophenol	180 U		1810	1010	56	962	52	5	34-117/28
105-67-9	2,4-Dimethylphenol	180 U		1810	959	53	885	48	8	37-113/23
51-28-5	2,4-Dinitrophenol	910 U		1810	692	38	718	39	4	10-119/25
534-52-1	4,6-Dinitro-o-cresol	370 U		1810	969	53	1060	57	9	38-103/26
95-48-7	2-Methylphenol	180 U		1810	913	50	929	50	2	38-109/26
	3&4-Methylphenol	180 U		3630	2040	56	1880	51	8	36-115/26
100-02-7	4-Nitrophenol	180 U		1810	1420	78	1500	81	5	12-142/27
87-86-5	Pentachlorophenol	910 U		1810	1330	73	1440	78	8	43-134/20
108-95-2	Phenol	180 U		1810	966	53	926	50	4	33-109/23
95-95-4	2,4,5-Trichlorophenol	180 U		1810	1330	73	1240	67	7	35-123/21
88-06-2	2,4,6-Trichlorophenol	180 U		1810	1270	70	1200	65	6	31-129/21
83-32-9	Acenaphthene	180 U		1810	1190	66	1130	61	5	39-113/21
208-96-8	Acenaphthylene	180 U		1810	1460	80	1260	68	15	45-125/23
120-12-7	Anthracene	180 U		1810	1400	77	1510	82	8	41-122/19
56-55-3	Benzo(a)anthracene	180 U		1810	1550	85	1550	84	0	48-114/18
50-32-8	Benzo(a)pyrene	180 U		1810	1550	85	1530	83	1	45-114/20
205-99-2	Benzo(b)fluoranthene	180 U		1810	1370	76	1510	82	10	42-116/23
191-24-2	Benzo(g,h,i)perylene	180 U		1810	2320	128	2450	133*	5	22-131/35
207-08-9	Benzo(k)fluoranthene	180 U		1810	1430	79	1470	80	3	39-126/22
101-55-3	4-Bromophenyl phenyl ether	180 U		1810	1490	82	1620	88	8	38-127/19
85-68-7	Butyl benzyl phthalate	180 U		1810	2250	124	2530	137	12	32-147/24
100-51-6	Benzyl Alcohol	180 U		1810	951	52	1000	54	5	36-111/26
91-58-7	2-Chloronaphthalene	180 U		1810	1190	66	1040	56	13	36-119/23
106-47-8	4-Chloroaniline	180 U		1810	913	50	906	49	1	14-114/27
86-74-8	Carbazole	180 U		1810	1570	87	1710	93	9	27-158/19
218-01-9	Chrysene	180 U		1810	1590	88	1600	87	1	47-113/19
111-91-1	bis(2-Chloroethoxy)methane	180 U		1810	1000	55	911	49	9	35-109/25
111-44-4	bis(2-Chloroethyl)ether	180 U		1810	881	49	912	49	3	29-109/26
7005-72-3	4-Chlorophenyl phenyl ether	180 U		1810	1330	73	1240	67	7	41-123/21
95-50-1	1,2-Dichlorobenzene	180 U		1810	893	49	971	53	8	23-114/30
541-73-1	1,3-Dichlorobenzene	180 U		1810	891	49	968	52	8	21-112/27
106-46-7	1,4-Dichlorobenzene	180 U		1810	905	50	965	52	6	23-114/27
121-14-2	2,4-Dinitrotoluene	180 U		1810	1520	84	1560	85	3	42-134/25

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8657-MS	A24852.D	1	12/13/07	SC	12/07/07	OP8657	EA1542
OP8657-MSD	A24853.D	1	12/13/07	SC	12/07/07	OP8657	EA1542
T19964-4	A24835.D	1	12/12/07	SC	12/07/07	OP8657	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-3, T19987-5, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Compound	T19964-4 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	180 U	1810	1530	84	1430	78	7	49-119/21
91-94-1	3,3'-Dichlorobenzidine	370 U	1810	2350	130	2550	138	8	37-149/27
53-70-3	Dibenzo(a,h)anthracene	180 U	1810	2200	121	2300	125	4	23-135/28
132-64-9	Dibenzofuran	180 U	1810	1260	69	1180	64	7	39-126/19
122-39-4	Diphenylamine	180 U	1810	1680	93	1770	96	5	38-161/25
84-74-2	Di-n-butyl phthalate	180 U	1810	1510	83	1660	90	9	43-124/20
117-84-0	Di-n-octyl phthalate	180 U	1810	1940	107	2100	114	8	22-162/29
84-66-2	Diethyl phthalate	180 U	1810	1410	78	1370	74	3	44-129/21
131-11-3	Dimethyl phthalate	180 U	1810	1520	84	1350	73	12	48-122/16
117-81-7	bis(2-Ethylhexyl)phthalate	180 U	1810	2520	139*	2610	141*	4	41-138/24
206-44-0	Fluoranthene	180 U	1810	1260	69	1330	72	5	29-127/24
86-73-7	Fluorene	180 U	1810	1290	71	1210	66	6	39-122/22
118-74-1	Hexachlorobenzene	180 U	1810	1460	80	1590	86	9	46-119/24
87-68-3	Hexachlorobutadiene	180 U	1810	915	50	885	48	3	15-117/26
77-47-4	Hexachlorocyclopentadiene	180 U	1810	494	27	453	25	9	12-103/29
67-72-1	Hexachloroethane	180 U	1810	866	48	883	48	2	18-116/30
193-39-5	Indeno(1,2,3-cd)pyrene	180 U	1810	2710	149*	2400	130*	12	23-127/32
78-59-1	Isophorone	180 U	1810	1140	63	998	54	13	36-116/24
90-12-0	1-Methylnaphthalene	180 U	1810	902	50	898	49	0	38-105/25
91-57-6	2-Methylnaphthalene	180 U	1810	933	51	898	49	4	37-113/26
88-74-4	2-Nitroaniline	180 U	1810	1390	77	1350	73	3	38-131/18
99-09-2	3-Nitroaniline	180 U	1810	1870	103	1820	99	3	30-144/23
100-01-6	4-Nitroaniline	180 U	1810	2890	159	3070	166	6	54-196/32
91-20-3	Naphthalene	180 U	1810	935	52	953	52	2	28-113/25
98-95-3	Nitrobenzene	180 U	1810	900	50	950	51	5	32-113/26
621-64-7	N-Nitroso-di-n-propylamine	180 U	1810	1130	62	1080	59	5	34-118/24
86-30-6	N-Nitrosodiphenylamine	180 U	1810	1680	93	1770	96	5	40-157/24
85-01-8	Phenanthrene	180 U	1810	1460	80	1550	84	6	40-121/19
129-00-0	Pyrene	180 U	1810	2220	122	2390	130	7	32-144/24
120-82-1	1,2,4-Trichlorobenzene	180 U	1810	942	52	966	52	3	25-120/26

CAS No.	Surrogate Recoveries	MS	MSD	T19964-4	Limits
367-12-4	2-Fluorophenol	44%	46%	45%	26-124%
4165-62-2	Phenol-d5	50%	50%	53%	19-106%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8657-MS	A24852.D	1	12/13/07	SC	12/07/07	OP8657	EA1542
OP8657-MSD	A24853.D	1	12/13/07	SC	12/07/07	OP8657	EA1542
T19964-4	A24835.D	1	12/12/07	SC	12/07/07	OP8657	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-3, T19987-5, T19987-8, T19987-9, T19987-11, T19987-12

CAS No.	Surrogate Recoveries	MS	MSD	T19964-4	Limits
118-79-6	2,4,6-Tribromophenol	76%	82%	87%	18-129%
4165-60-0	Nitrobenzene-d5	47%	46%	52%	18-104%
321-60-8	2-Fluorobiphenyl	54%	50%	61%	21-114%
1718-51-0	Terphenyl-d14	118%	128%	99%	24-149%

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8660-MS	J02379.D	1	12/14/07	GJ	12/08/07	OP8660	EJ110
OP8660-MSD	J02380.D	1	12/14/07	GJ	12/08/07	OP8660	EJ110
T19967-2	J02378.D	1	12/14/07	GJ	12/08/07	OP8660	EJ110
T19967-2	J02412.D	4	12/17/07	GJ	12/08/07	OP8660	EJ112

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

CAS No.	Compound	T19967-2 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND	100	ND	0* a	ND	0* a	nc	11-85/27
95-57-8	2-Chlorophenol	ND	100	75.7	76	78.7	79	4	36-100/16
59-50-7	4-Chloro-3-methyl phenol	ND	100	95.5	96	97.3	97	2	41-122/24
120-83-2	2,4-Dichlorophenol	ND	100	87.2	87	86.9	87	0	39-113/25
105-67-9	2,4-Dimethylphenol	ND	100	104	104	106	106	2	35-110/26
51-28-5	2,4-Dinitrophenol	ND	100	56.6	57	75.2	75	28	30-131/44
534-52-1	4,6-Dinitro-o-cresol	ND	100	51.1	51	67.5	68	28* a	29-126/24
95-48-7	2-Methylphenol	22.2	100	111	89	116	94	4	31-105/31
	3&4-Methylphenol	22.8	200	182	80	190	84	4	31-106/25
100-02-7	4-Nitrophenol	ND	100	67.3	67	75.0	75* a	11	21-71/25
87-86-5	Pentachlorophenol	ND	100	139	139	152	152* a	9	52-144/18
108-95-2	Phenol	ND	100	56.0	56	60.2	60	7	17-75/35
95-95-4	2,4,5-Trichlorophenol	ND	100	97.7	98	104	104	6	40-121/22
88-06-2	2,4,6-Trichlorophenol	ND	100	92.1	92	97.4	97	6	42-119/22
83-32-9	Acenaphthene	ND	100	88.1	88	91.9	92	4	35-115/21
208-96-8	Acenaphthylene	ND	100	102	102	106	106	4	43-128/23
120-12-7	Anthracene	ND	100	89.1	89	95.8	96	7	40-126/18
191-24-2	Benzo(g,h,i)perylene	ND	100	90.6	91	134	134	39* a	24-135/36
101-55-3	4-Bromophenyl phenyl ether	ND	100	89.6	90	94.3	94	5	40-125/20
85-68-7	Butyl benzyl phthalate	ND	100	139	139* a	127	127	9	40-128/25
100-51-6	Benzyl Alcohol	ND	100	79.4	79	82.7	83	4	26-110/32
91-58-7	2-Chloronaphthalene	ND	100	86.1	86	90.2	90	5	33-123/27
106-47-8	4-Chloroaniline	ND	100	48.5	49	51.1	51	5	10-119/29
86-74-8	Carbazole	ND	100	118	118	126	126	7	36-155/19
218-01-9	Chrysene	ND	100	88.4	88	98.3	98	11	46-118/19
111-91-1	bis(2-Chloroethoxy)methane	ND	100	81.5	82	83.2	83	2	36-112/30
111-44-4	bis(2-Chloroethyl)ether	ND	100	74.3	74	75.9	76	2	34-110/33
7005-72-3	4-Chlorophenyl phenyl ether	ND	100	94.3	94	98.0	98	4	44-124/21
95-50-1	1,2-Dichlorobenzene	ND	100	76.1	76	78.2	78	3	29-108/29
541-73-1	1,3-Dichlorobenzene	ND	100	75.0	75	77.2	77	3	31-100/32
106-46-7	1,4-Dichlorobenzene	ND	100	75.8	76	78.4	78	3	30-104/36
121-14-2	2,4-Dinitrotoluene	ND	100	97.3	97	104	104	7	41-128/23
606-20-2	2,6-Dinitrotoluene	ND	100	97.1	97	101	101	4	48-124/23
91-94-1	3,3'-Dichlorobenzidine	ND	100	ND	0* a	ND	0* a	nc	33-142/21
53-70-3	Dibenzo(a,h)anthracene	ND	100	87.6	88	130	130	39* a	28-135/37
132-64-9	Dibenzofuran	ND	100	88.5	89	92.3	92	4	39-123/20

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8660-MS	J02379.D	1	12/14/07	GJ	12/08/07	OP8660	EJ110
OP8660-MSD	J02380.D	1	12/14/07	GJ	12/08/07	OP8660	EJ110
T19967-2	J02378.D	1	12/14/07	GJ	12/08/07	OP8660	EJ110
T19967-2	J02412.D	4	12/17/07	GJ	12/08/07	OP8660	EJ112

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

CAS No.	Compound	T19967-2 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
122-39-4	Diphenylamine	ND		100	95.5	96	101	6	35-163/27
84-74-2	Di-n-butyl phthalate	ND		100	103	103	107	4	36-131/16
117-84-0	Di-n-octyl phthalate	ND		100	175	175* a	117	40* a	35-140/25
84-66-2	Diethyl phthalate	ND		100	97.9	98	101	3	46-129/20
131-11-3	Dimethyl phthalate	ND		100	90.8	91	94.8	4	51-121/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	147	147* a	138	6	46-135/19
206-44-0	Fluoranthene	ND		100	86.9	87	93.3	7	42-124/24
86-73-7	Fluorene	3.4	J	100	96.5	93	101	5	35-123/22
118-74-1	Hexachlorobenzene	ND		100	89.1	89	93.5	5	42-128/21
87-68-3	Hexachlorobutadiene	ND		100	82.0	82	83.0	1	26-102/28
77-47-4	Hexachlorocyclopentadiene	ND		100	27.1	27	42.6	44* a	20-107/34
67-72-1	Hexachloroethane	ND		100	114	114* a	118	3	27-107/30
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	88.9	89	129	37* a	28-133/30
78-59-1	Isophorone	ND		100	87.2	87	90.2	3	42-112/28
90-12-0	1-Methylnaphthalene	49.9		100	143	93	146	2	35-107/25
91-57-6	2-Methylnaphthalene	102		100	210	108	214	2	32-118/29
88-74-4	2-Nitroaniline	ND		100	87.2	87	95.7	9	42-122/22
99-09-2	3-Nitroaniline	ND		100	62.4	62	66.4	6	28-145/23
100-01-6	4-Nitroaniline	ND		100	118	118	121	3	32-209/24
91-20-3	Naphthalene	323 c		100	496	173* b	497	0	36-105/24
98-95-3	Nitrobenzene	ND		100	80.9	81	83.7	3	37-115/26
621-64-7	N-Nitroso-di-n-propylamine	ND		100	84.8	85	87.8	3	34-122/27
86-30-6	N-Nitrosodiphenylamine	ND		100	95.5	96	101	6	33-165/27
85-01-8	Phenanthrene	5.3		100	93.6	88	98.7	5	49-119/19
129-00-0	Pyrene	1.9	J	100	127	125	116	9	39-128/25
120-82-1	1,2,4-Trichlorobenzene	ND		100	84.3	84	86.2	2	30-112/23

CAS No.	Surrogate Recoveries	MS	MSD	T19967-2	T19967-2	Limits
367-12-4	2-Fluorophenol	58%	59%	32%	31%	10-66%
4165-62-2	Phenol-d5	48%	49%	24%	23%	10-53%
118-79-6	2,4,6-Tribromophenol	88%	95%	76%	71%	32-128%
4165-60-0	Nitrobenzene-d5	74%	76%	57%	55%	29-115%
321-60-8	2-Fluorobiphenyl	73%	76%	59%	63%	34-113%
1718-51-0	Terphenyl-d14	133%	121%	126%	110%	12-145%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8660-MS	J02379.D	1	12/14/07	GJ	12/08/07	OP8660	EJ110
OP8660-MSD	J02380.D	1	12/14/07	GJ	12/08/07	OP8660	EJ110
T19967-2	J02378.D	1	12/14/07	GJ	12/08/07	OP8660	EJ110
T19967-2	J02412.D	4	12/17/07	GJ	12/08/07	OP8660	EJ112

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

- (a) Outside control limits due to matrix interference.
- (b) Outside control limits due to high level in sample relative to spike amount.
- (c) Result is from Run #2.

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8681-MS <sup>a</sup>	A24833.D	1	12/12/07	SC	12/10/07	OP8681	EA1541
OP8681-MSD <sup>a</sup>	A24834.D	1	12/12/07	SC	12/10/07	OP8681	EA1541
T19987-6	A24832.D	1	12/12/07	SC	12/10/07	OP8681	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-6

CAS No.	Compound	T19987-6 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	990 U		1980	332	17	425	22	25*	11-74/19
95-57-8	2-Chlorophenol	200 U		1980	530	27*	619	31*	15	33-109/27
59-50-7	4-Chloro-3-methyl phenol	200 U		1980	551	28*	690	35*	22	44-118/22
120-83-2	2,4-Dichlorophenol	200 U		1980	491	25*	625	32*	24	34-117/28
105-67-9	2,4-Dimethylphenol	200 U		1980	431	22*	527	27*	20	37-113/23
51-28-5	2,4-Dinitrophenol	990 U		1980	784	40	1050	53	29*	10-119/25
534-52-1	4,6-Dinitro-o-cresol	400 U		1980	969	49	1260	64	26	38-103/26
95-48-7	2-Methylphenol	200 U		1980	530	27*	612	31*	14	38-109/26
	3&4-Methylphenol	200 U		3970	1000	25*	1250	32*	22	36-115/26
100-02-7	4-Nitrophenol	200 U		1980	1110	56	1430	72	25	12-142/27
87-86-5	Pentachlorophenol	990 U		1980	1260	64	1430	72	13	43-134/20
108-95-2	Phenol	200 U		1980	540	27*	675	34	22	33-109/23
95-95-4	2,4,5-Trichlorophenol	200 U		1980	498	25*	666	34*	29*	35-123/21
88-06-2	2,4,6-Trichlorophenol	200 U		1980	521	26*	707	36	30*	31-129/21
83-32-9	Acenaphthene	200 U		1980	523	26*	679	34*	26*	39-113/21
208-96-8	Acenaphthylene	200 U		1980	629	32*	833	42*	28*	45-125/23
120-12-7	Anthracene	200 U		1980	881	44	1110	56	23*	41-122/19
56-55-3	Benzo(a)anthracene	200 U		1980	1190	60	1330	67	11	48-114/18
50-32-8	Benzo(a)pyrene	200 U		1980	1160	58	1330	67	14	45-114/20
205-99-2	Benzo(b)fluoranthene	200 U		1980	1170	59	1290	65	10	42-116/23
191-24-2	Benzo(g,h,i)perylene	200 U		1980	1360	69	1540	78	12	22-131/35
207-08-9	Benzo(k)fluoranthene	200 U		1980	1170	59	1300	66	11	39-126/22
101-55-3	4-Bromophenyl phenyl ether	200 U		1980	759	38	915	46	19	38-127/19
85-68-7	Butyl benzyl phthalate	200 U		1980	1480	75	1630	83	10	32-147/24
100-51-6	Benzyl Alcohol	200 U		1980	500	25*	641	32*	25	36-111/26
91-58-7	2-Chloronaphthalene	200 U		1980	562	28*	707	36	23	36-119/23
106-47-8	4-Chloroaniline	200 U		1980	454	23	589	30	26	14-114/27
86-74-8	Carbazole	200 U		1980	1180	59	1390	70	16	27-158/19
218-01-9	Chrysene	200 U		1980	1190	60	1300	66	9	47-113/19
111-91-1	bis(2-Chloroethoxy)methane	200 U		1980	496	25*	582	29*	16	35-109/25
111-44-4	bis(2-Chloroethyl)ether	200 U		1980	491	25*	621	31	23	29-109/26
7005-72-3	4-Chlorophenyl phenyl ether	200 U		1980	559	28*	730	37*	27*	41-123/21
95-50-1	1,2-Dichlorobenzene	200 U		1980	541	27	640	32	17	23-114/30
541-73-1	1,3-Dichlorobenzene	200 U		1980	523	26	651	33	22	21-112/27
106-46-7	1,4-Dichlorobenzene	200 U		1980	515	26	657	33	24	23-114/27
121-14-2	2,4-Dinitrotoluene	200 U		1980	953	48	1180	60	21	42-134/25

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8681-MS <sup>a</sup>	A24833.D	1	12/12/07	SC	12/10/07	OP8681	EA1541
OP8681-MSD <sup>a</sup>	A24834.D	1	12/12/07	SC	12/10/07	OP8681	EA1541
T19987-6	A24832.D	1	12/12/07	SC	12/10/07	OP8681	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-6

CAS No.	Compound	T19987-6 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	200 U	1980	703	35*	987	50	34*	49-119/21
91-94-1	3,3'-Dichlorobenzidine	400 U	1980	2000	101	2170	110	8	37-149/27
53-70-3	Dibenzo(a,h)anthracene	200 U	1980	1280	65	1470	74	14	23-135/28
132-64-9	Dibenzofuran	200 U	1980	563	28*	708	36*	23*	39-126/19
122-39-4	Diphenylamine	200 U	1980	920	46	1210	61	27*	38-161/25
84-74-2	Di-n-butyl phthalate	200 U	1980	1140	57	1340	68	16	43-124/20
117-84-0	Di-n-octyl phthalate	200 U	1980	1640	83	1730	88	5	22-162/29
84-66-2	Diethyl phthalate	200 U	1980	774	39*	981	50	24*	44-129/21
131-11-3	Dimethyl phthalate	200 U	1980	719	36*	889	45*	21*	48-122/16
117-81-7	bis(2-Ethylhexyl)phthalate	200 U	1980	1720	87	1860	94	8	41-138/24
206-44-0	Fluoranthene	200 U	1980	1090	55	1310	66	18	29-127/24
86-73-7	Fluorene	200 U	1980	575	29*	789	40	31*	39-122/22
118-74-1	Hexachlorobenzene	200 U	1980	820	41*	1110	56	30*	46-119/24
87-68-3	Hexachlorobutadiene	200 U	1980	479	24	634	32	28*	15-117/26
77-47-4	Hexachlorocyclopentadiene	200 U	1980	576	29	698	35	19	12-103/29
67-72-1	Hexachloroethane	200 U	1980	518	26	628	32	19	18-116/30
193-39-5	Indeno(1,2,3-cd)pyrene	200 U	1980	1390	70	1620	82	15	23-127/32
78-59-1	Isophorone	200 U	1980	545	27*	684	35*	23	36-116/24
90-12-0	1-Methylnaphthalene	200 U	1980	477	24*	623	32*	27*	38-105/25
91-57-6	2-Methylnaphthalene	200 U	1980	474	24*	600	30*	23	37-113/26
88-74-4	2-Nitroaniline	200 U	1980	648	33*	865	44	29*	38-131/18
99-09-2	3-Nitroaniline	200 U	1980	921	46	1190	60	25*	30-144/23
100-01-6	4-Nitroaniline	200 U	1980	2140	108	2630	133	21	54-196/32
91-20-3	Naphthalene	200 U	1980	499	25*	653	33	27*	28-113/25
98-95-3	Nitrobenzene	200 U	1980	539	27*	699	35	26	32-113/26
621-64-7	N-Nitroso-di-n-propylamine	200 U	1980	556	28*	679	34	20	34-118/24
86-30-6	N-Nitrosodiphenylamine	200 U	1980	920	46	1210	61	27*	40-157/24
85-01-8	Phenanthrene	200 U	1980	889	45	1150	58	26*	40-121/19
129-00-0	Pyrene	200 U	1980	1190	60	1340	68	12	32-144/24
120-82-1	1,2,4-Trichlorobenzene	200 U	1980	557	28	653	33	16	25-120/26

CAS No.	Surrogate Recoveries	MS	MSD	T19987-6	Limits
367-12-4	2-Fluorophenol	21%*	26%	28%	26-124%
4165-62-2	Phenol-d5	26%	33%	31%	19-106%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19987  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8681-MS <sup>a</sup>	A24833.D	1	12/12/07	SC	12/10/07	OP8681	EA1541
OP8681-MSD <sup>a</sup>	A24834.D	1	12/12/07	SC	12/10/07	OP8681	EA1541
T19987-6	A24832.D	1	12/12/07	SC	12/10/07	OP8681	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19987-6

CAS No.	Surrogate Recoveries	MS	MSD	T19987-6	Limits
118-79-6	2,4,6-Tribromophenol	39%	54%	39%	18-129%
4165-60-0	Nitrobenzene-d5	24%	31%	29%	18-104%
321-60-8	2-Fluorobiphenyl	25%	31%	32%	21-114%
1718-51-0	Terphenyl-d14	57%	65%	60%	24-149%

(a) Compounds outside control limits due to matrix interference.

6.3  
6



## Metals Analysis

### QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7031  
Matrix Type: SOLID

Methods: SW846 6010B  
Units: mg/kg

Prep Date: 12/14/07

Metal	RL	IDL	MB raw	final
Aluminum	10	2.6	0.34	<10
Antimony	0.50	.09	0.016	<0.50
Arsenic	0.50	.07	-0.10	<0.50
Barium	10	.005	0.0030	<10
Beryllium	0.25	.003	0.0080	<0.25
Boron	5.0	.07		
Cadmium	0.25	.025	0.0015	<0.25
Calcium	250	.4	-1.8	<250
Chromium	0.50	.045	-0.0015	<0.50
Cobalt	2.5	.05	0.0070	<2.5
Copper	1.3	.071	0.11	<1.3
Iron	5.0	.8		
Lead	0.50	.035	0.00050	<0.50
Magnesium	250	.4	0.050	<250
Manganese	0.75	.01	0.043	<0.75
Molybdenum	0.50	.023		
Nickel	2.0	.05	-0.059	<2.0
Potassium	250	4	-11	<250
Selenium	0.50	.085	0.041	<0.50
Silver	0.50	.025	0.0070	<0.50
Sodium	250	8.1	1.0	<250
Strontium	1.0	.025		
Thallium	1.0	.075	-0.097	<1.0
Tin	1.0	.075		
Titanium	1.0	.025		
Vanadium	2.5	.02	0.012	<2.5
Zinc	1.0	.04	0.071	<1.0

Associated samples MP7031: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.1.1  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7031  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/14/07 12/14/07

Metal	T19987-6 Original	DUP	RPD	QC Limits	T19987-6 Original MS	Spikelot MPTW3	% Rec	QC Limits	
Aluminum	1010	1240	6.7	0-20	1010	7250	5830	104.4	75-125
Antimony	0.0	0.0	NC	0-20	0.0	30.3	46.7	64.9N	75-125
Arsenic	0.87	0.71	1.4	0-20	0.87	45.0	46.7	94.9	75-125
Barium	15.3	18.3	11.6	0-20	15.3	62.8	46.7	99.7	75-125
Beryllium	0.021	0.036	13.0	0-20	0.021	45.1	46.7	96.6	75-125
Boron									
Cadmium	0.0	0.0	NC	0-20	0.0	41.4	46.7	88.7	75-125
Calcium	2930	3780	21.7*	0-20	2930	9350	5830	108.2	75-125
Chromium	0.83	1.6	13.3	0-20	0.83	46.2	46.7	96.0	75-125
Cobalt	0.27	0.26	0.0	0-20	0.27	45.2	46.7	96.3	75-125
Copper	0.73	0.54	12.2	0-20	0.73	46.5	46.7	98.4	75-125
Iron									
Lead	1.4	1.6	0.0	0-20	1.4	45.0	46.7	93.0	75-125
Magnesium	441	581	13.4	0-20	441	6020	5830	94.5	75-125
Manganese	73.5	124	47.6*	0-20	73.5	167	46.7	194.4N	75-125
Molybdenum									
Nickel	0.16	0.45	14.3	0-20	0.16	42.0	46.7	89.2	75-125
Potassium	222	223	2.3	0-20	222	6020	5830	99.5	75-125
Selenium	0.0	0.0	NC	0-20	0.0	45.1	46.7	96.7	75-125
Silver	0.0	0.078	12.0	0-20	0.0	45.2	46.7	96.7	75-125
Sodium	717	690	1.3	0-20	717	6490	5830	99.3	75-125
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	43.2	46.7	92.6	75-125
Tin									
Titanium									
Vanadium	1.8	2.5	4.1	0-20	1.8	46.5	46.7	94.5	75-125
Zinc	2.6	2.2	4.4	0-20	2.6	49.6	46.7	101.4	75-125

Associated samples MP7031: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

7.1.2  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7031  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/14/07

Metal	T19987-6 Original	MSD	Spikelot MPTW3	% Rec	MSD RPD	QC Limit
Aluminum	1010	7140	5620	106.4	1.5	
Antimony	0.0	27.7	44.9	61.6N	9.0	
Arsenic	0.87	43.5	44.9	95.2	3.4	
Barium	15.3	61.6	44.9	100.8	1.9	
Beryllium	0.021	43.2	44.9	96.0	4.3	
Boron						
Cadmium	0.0	40.1	44.9	89.2	3.2	
Calcium	2930	9490	5620	114.8	1.5	
Chromium	0.83	44.5	44.9	95.9	3.7	
Cobalt	0.27	43.5	44.9	96.2	3.8	
Copper	0.73	45.3	44.9	99.4	2.6	
Iron						
Lead	1.4	43.3	44.9	92.8	3.9	
Magnesium	441	5850	5620	95.1	2.9	
Manganese	73.5	236	44.9	355.3N	34.2	
Molybdenum						
Nickel	0.16	40.5	44.9	89.2	3.6	
Potassium	222	5880	5620	100.8	2.4	
Selenium	0.0	43.3	44.9	96.3	4.1	
Silver	0.0	43.9	44.9	97.5	2.9	
Sodium	717	6320	5620	100.0	2.7	
Strontium						
Thallium	0.0	41.8	44.9	93.0	3.3	
Tin						
Titanium						
Vanadium	1.8	45.0	44.9	94.8	3.3	
Zinc	2.6	47.3	44.9	100.1	4.7	

Associated samples MP7031: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

7.1.2  
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7031  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/14/07

Metal	LCS Result	Spikelot MPLCD049	% Rec	QC Limits
Aluminum	9470	7730	122.5	58-142
Antimony	40.9	60.6	67.5	17-223
Arsenic	223	257	86.8	80-120
Barium	416	472	88.1	82-118
Beryllium	80.1	88.4	90.6	82-118
Boron				
Cadmium	98.2	117	83.9	82-119
Calcium	3210	3640	88.2	79-121
Chromium	75.7	72.8	104.0	79-121
Cobalt	73.7	82.5	89.3	82-118
Copper	88.2	100	88.2	83-118
Iron				
Lead	145	166	87.3	81-119
Magnesium	2820	3000	94.0	77-123
Manganese	359	374	96.0	80-120
Molybdenum				
Nickel	85.3	103	82.8	82-118
Potassium	2110	2410	87.6	71-129
Selenium	166	173	96.0	76-124
Silver	113	123	91.9	61-139
Sodium	568	574	99.0	56-144
Strontium				
Thallium	176	194	90.7	76-124
Tin				
Titanium				
Vanadium	140	138	101.4	75-125
Zinc	180	201	89.6	79-120

Associated samples MP7031: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

7.1.3  
7

SERIAL DILUTION RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7031  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/14/07

Metal	T19987-6 Original	SDL 1:5	RPD	QC Limits
Aluminum	8650	10300	3.4	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	7.39	0.00	100.0 (a)	0-10
Barium	131	139	0.2	0-10
Beryllium	0.180	0.550	57.1 (a)	0-10
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium	25000	27300	5.4	0-10
Chromium	7.07	17.2	45.0 (a)	0-10
Cobalt	2.31	0.00	100.0 (a)	0-10
Copper	6.26	10.9	109.8 (a)	0-10
Iron				
Lead	12.3	14.4	5.9	0-10
Magnesium	3770	4540	4.8	0-10
Manganese	628	697	7.0	0-10
Molybdenum				
Nickel	1.39	144	4215.9 (a)	0-10
Potassium	1900	611	67.2 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	0.00	3.43	357.3 (a)	0-10
Sodium	6120	5980	0.3	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	15.5	22.9	12.5*	0-10
Zinc	22.1	24.7	23.4 (a)	0-10

Associated samples MP7031: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

7.1.4  
7

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7046  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date: 12/17/07

Metal	RL	IDL	MB raw	final
Aluminum	200	51	-42	<200
Antimony	5.0	1.8	-3.1	<5.0
Arsenic	5.0	1.4	-2.1	<5.0
Barium	200	.1	-0.62	<200
Beryllium	5.0	.06	-0.85	<5.0
Boron	100	1.4		
Cadmium	4.0	.5	-0.72	<4.0
Calcium	5000	8	-150	<5000
Chromium	10	.9	-1.1	<10
Cobalt	50	.99	-0.73	<50
Copper	25	1.4	-1.1	<25
Iron	100	16	-3.7	<100
Lead	3.0	.7	-0.17	<3.0
Magnesium	5000	8	-3.3	<5000
Manganese	15	.2	-0.68	<15
Molybdenum	10	.45		
Nickel	40	1	-1.3	<40
Potassium	5000	80	-230	<5000
Selenium	5.0	1.7	0.10	<5.0
Silver	10	.5	0.090	<10
Sodium	5000	160	-100	<5000
Strontium	20	.5		
Thallium	10	1.5	-0.64	<10
Tin	20	1.5		
Titanium	20	.5		
Vanadium	50	.4	-0.54	<50
Zinc	20	.8	-0.15	<20

Associated samples MP7046: T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.2.1  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7046  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/17/07 12/17/07

Metal	T19993-1 Original	DUP	RPD	QC Limits	T19993-1 Original MS	Spikelot MPTW3	% Rec	QC Limits	
Aluminum	0.0	0.0	NC	0-20	0.0	44400	50000	88.8	75-125
Antimony	0.0	0.0	NC	0-20	0.0	383	400	95.8	75-125
Arsenic	12.9	12.1	6.4	0-20	12.9	365	400	88.0	75-125
Barium	212	198	6.8	0-20	212	555	400	85.8	75-125
Beryllium	0.0	0.0	NC	0-20	0.0	352	400	88.0	75-125
Boron									
Cadmium	0.0	0.0	NC	0-20	0.0	328	400	82.0	75-125
Calcium	263000	244000	7.5	0-20	263000	289000	50000	52.0 (c)	75-125
Chromium	0.0	0.0	NC	0-20	0.0	343	400	85.8	75-125
Cobalt	9.5	9.0	5.4	0-20	9.5	347	400	84.4	75-125
Copper	1.9	2.6	31.1 (a)	0-20	1.9	357	400	88.8	75-125
Iron	9740	9060	7.2	0-20	9740	51400	50000	83.3	75-125
Lead	4.5	3.7	19.5	0-20	4.5	334	400	82.4	75-125
Magnesium	59700	55500	7.3	0-20	59700	97600	50000	75.8	75-125
Manganese	783	729	7.1	0-20	783	1070	400	71.8N(d)	75-125
Molybdenum									
Nickel	25.9	23.9	8.0	0-20	25.9	349	400	80.8	75-125
Potassium	12200	11800	3.3	0-20	12200	56000	50000	87.6	75-125
Selenium	2.4	0.0	200.0 (a)	0-20	2.4	364	400	90.4	75-125
Silver	0.0	0.0	NC	0-20	0.0	349	400	87.3	75-125
Sodium	23100	21700	6.3	0-20	23100	66200	50000	86.2	75-125
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	330	400	82.5	75-125
Tin									
Titanium									
Vanadium	0.0	0.0	NC	0-20	0.0	344	400	86.0	75-125
Zinc	105	52.9	66.0*(b)	0-20	105	415	400	77.5	75-125

Associated samples MP7046: T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) RPD acceptable due to low duplicate and sample concentrations.

(b) High RPD due to possible matrix interference.

(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(d) Spike recovery indicates possible matrix interference.

7.2.2  
 7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7046  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/17/07

Metal	T19993-1 Original	MSD	Spike lot MPTW3	% Rec	MSD RPD	QC Limit
Aluminum	0.0	42300	50000	84.6	4.8	
Antimony	0.0	365	400	91.3	4.8	
Arsenic	12.9	347	400	83.5	5.1	
Barium	212	525	400	78.3	5.6	
Beryllium	0.0	333	400	83.3	5.5	
Boron						
Cadmium	0.0	312	400	78.0	5.0	
Calcium	263000	268000	50000	10.0 (a)	7.5	
Chromium	0.0	326	400	81.5	5.1	
Cobalt	9.5	330	400	80.1	5.0	
Copper	1.9	340	400	84.5	4.9	
Iron	9740	48800	50000	78.1	5.2	
Lead	4.5	318	400	78.4	4.9	
Magnesium	59700	91400	50000	63.4N(b)	6.6	
Manganese	783	1000	400	54.3N(b)	6.8	
Molybdenum						
Nickel	25.9	330	400	76.0	5.6	
Potassium	12200	53500	50000	82.6	4.6	
Selenium	2.4	344	400	85.4	5.6	
Silver	0.0	332	400	83.0	5.0	
Sodium	23100	62700	50000	79.2	5.4	
Strontium						
Thallium	0.0	317	400	79.3	4.0	
Tin						
Titanium						
Vanadium	0.0	327	400	81.8	5.1	
Zinc	105	399	400	73.5N(b)	3.9	

Associated samples MP7046: T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(b) Spike recovery indicates possible matrix interference.

7.2.2  
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7046  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/17/07

Metal	BSP Result	Spikelot MPTW3	% Rec	QC Limits
Aluminum	43200	50000	86.4	80-120
Antimony	363	400	90.8	80-120
Arsenic	344	400	86.0	80-120
Barium	352	400	88.0	80-120
Beryllium	348	400	87.0	80-120
Boron				
Cadmium	333	400	83.3	80-120
Calcium	43000	50000	86.0	80-120
Chromium	343	400	85.8	80-120
Cobalt	342	400	85.5	80-120
Copper	359	400	89.8	80-120
Iron	42300	50000	84.6	80-120
Lead	336	400	84.0	80-120
Magnesium	40900	50000	81.8	80-120
Manganese	345	400	86.3	80-120
Molybdenum				
Nickel	330	400	82.5	80-120
Potassium	43400	50000	86.8	80-120
Selenium	352	400	88.0	80-120
Silver	336	400	84.0	80-120
Sodium	42700	50000	85.4	80-120
Strontium				
Thallium	336	400	84.0	80-120
Tin				
Titanium				
Vanadium	338	400	84.5	80-120
Zinc	385	400	96.3	80-120

Associated samples MP7046: T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

7.2.3  
7

SERIAL DILUTION RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7046  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/17/07

Metal	T19993-1 Original	SDL 1:5	RPD	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	12.9	0.00	100.0 (a)	0-10
Barium	212	210	0.7	0-10
Beryllium	0.00	0.00	NC	0-10
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium	263000	265000	0.4	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	9.54	7.04	26.2 (a)	0-10
Copper	1.89	0.00	100.0 (a)	0-10
Iron	9740	9910	1.7	0-10
Lead	4.45	0.00	100.0 (a)	0-10
Magnesium	59700	60300	1.1	0-10
Manganese	783	805	2.9	0-10
Molybdenum				
Nickel	25.9	20.8	19.7 (a)	0-10
Potassium	12200	10400	14.2* (b)	0-10
Selenium	2.39	0.00	100.0 (a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium	23100	22900	1.1	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	0.00	0.00	NC	0-10
Zinc	105	106	1.4	0-10

Associated samples MP7046: T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

7.2.4  
7

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7048  
Matrix Type: SOLID

Methods: SW846 6010B  
Units: mg/kg

Prep Date: 12/19/07

Metal	RL	IDL	MB raw	final
Aluminum	10	2.6	-0.20	<10
Antimony	0.50	.09	-0.038	<0.50
Arsenic	0.50	.07	0.16	<0.50
Barium	10	.005	-0.00050	<10
Beryllium	0.25	.003	0.0060	<0.25
Boron	5.0	.07		
Cadmium	0.25	.025	0.012	<0.25
Calcium	250	.4	-0.18	<250
Chromium	0.50	.045	-0.058	<0.50
Cobalt	2.5	.05	-0.0050	<2.5
Copper	1.3	.071	-0.042	<1.3
Iron	5.0	.8	-3.2	<5.0
Lead	0.50	.035	0.028	<0.50
Magnesium	250	.4	0.10	<250
Manganese	0.75	.01	0.0055	<0.75
Molybdenum	0.50	.023		
Nickel	2.0	.05	-0.090	<2.0
Potassium	250	4	-2.1	<250
Selenium	0.50	.085	-0.0090	<0.50
Silver	0.50	.025	-0.0050	<0.50
Sodium	250	8.1	-2.2	<250
Strontium	1.0	.025		
Thallium	1.0	.075	0.16	<1.0
Tin	1.0	.075		
Titanium	1.0	.025		
Vanadium	2.5	.02	0.0020	<2.5
Zinc	1.0	.04	0.065	<1.0

Associated samples MP7048: T19987-8, T19987-9, T19987-11, T19987-12

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.3.1  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7048  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/19/07 12/19/07

Metal	T19972-1 Original	DUP	RPD	QC Limits	T19972-1 Original MS	Spikelot MPTW3	% Rec	QC Limits	
Aluminum	7860	9350	17.3	0-20	7860	14500	6050	109.7	75-125
Antimony	0.0	0.0	NC	0-20	0.0	16.9	48.4	34.9N(c)	75-125
Arsenic	6.0	4.6	26.4* (a)	0-20	6.0	43.2	48.4	76.8	75-125
Barium	62.7	77.0	20.5 (b)	0-20	62.7	117	48.4	112.2	75-125
Beryllium	0.69	0.76	9.7	0-20	0.69	38.7	48.4	78.5	75-125
Boron									
Cadmium	0.10	0.14	33.3 (b)	0-20	0.10	35.1	48.4	72.3N(c)	75-125
Calcium	2010	2560	24.1 (b)	0-20	2010	7200	6050	85.8	75-125
Chromium	7.4	6.8	8.5	0-20	7.4	44.7	48.4	77.0	75-125
Cobalt	5.0	2.5	66.7 (b)	0-20	5.0	38.8	48.4	69.8N(c)	75-125
Copper	6.7	6.9	2.9	0-20	6.7	48.0	48.4	85.3	75-125
Iron	11700	13600	15.0	0-20	11700	21600	6050	163.6N(c)	75-125
Lead	12.3	26.5	73.2* (a)	0-20	12.3	64.0	48.4	106.8	75-125
Magnesium	867	1130	26.3 (b)	0-20	867	5730	6050	80.4	75-125
Manganese	438	233	61.1* (a)	0-20	438	266	48.4	-355.3 (d)	75-125
Molybdenum									
Nickel	5.3	3.5	40.9 (b)	0-20	5.3	38.6	48.4	68.8N(c)	75-125
Potassium	1690	2750	47.7* (a)	0-20	1690	7430	6050	94.8	75-125
Selenium	0.32	0.47	38.0 (b)	0-20	0.32	38.1	48.4	78.0	75-125
Silver	0.0	0.0	NC	0-20	0.0	38.4	48.4	79.3	75-125
Sodium	0.0	0.0	NC	0-20	0.0	5110	6050	84.4	75-125
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	36.3	48.4	75.0	75-125
Tin									
Titanium									
Vanadium	16.9	15.7	7.4	0-20	16.9	61.2	48.4	91.5	75-125
Zinc	39.5	69.1	54.5* (a)	0-20	39.5	105	48.4	135.3N(c)	75-125

Associated samples MP7048: T19987-8, T19987-9, T19987-11, T19987-12

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) High RPD due to possible sample nonhomogeneity.

(b) RPD acceptable due to low duplicate and sample concentrations.

(c) Spike recovery indicates possible matrix interference.

(d) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7048  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/19/07

Metal	T19972-1 Original	MSD	Spike lot MPTW3	% Rec	MSD RPD	QC Limit
Aluminum	7860	13700	6610	88.4	5.7	
Antimony	0.0	19.9	52.9	37.6N(a)	16.3	
Arsenic	6.0	43.4	52.9	70.8N(a)	0.5	
Barium	62.7	110	52.9	89.5	6.2	
Beryllium	0.69	41.3	52.9	76.8	6.5	
Boron						
Cadmium	0.10	37.8	52.9	71.3N(a)	7.4	
Calcium	2010	7370	6610	81.1	2.3	
Chromium	7.4	45.9	52.9	72.8N(a)	2.6	
Cobalt	5.0	41.2	52.9	68.5N(a)	6.0	
Copper	6.7	49.3	52.9	80.6	2.7	
Iron	11700	16600	6610	74.2N(a)	26.2	
Lead	12.3	61.7	52.9	93.5	3.7	
Magnesium	867	5990	6610	77.5	4.4	
Manganese	438	232	52.9	-389.7(b)	13.7	
Molybdenum						
Nickel	5.3	40.3	52.9	66.2N(a)	4.3	
Potassium	1690	7760	6610	91.9	4.3	
Selenium	0.32	41.2	52.9	77.3	7.8	
Silver	0.0	41.4	52.9	78.3	7.5	
Sodium	0.0	5510	6610	83.4	7.5	
Strontium						
Thallium	0.0	39.1	52.9	74.0N(a)	7.4	
Tin						
Titanium						
Vanadium	16.9	52.8	52.9	67.9N(a)	14.7	
Zinc	39.5	104	52.9	122.0	1.0	

Associated samples MP7048: T19987-8, T19987-9, T19987-11, T19987-12

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

7.3.2  
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7048  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/19/07

Metal	LCS Result	Spikelot MPLCD049	% Rec	QC Limits
Aluminum	8770	7730	113.5	58-142
Antimony	23.6	60.6	38.9	17-223
Arsenic	224	257	87.2	80-120
Barium	444	472	94.1	82-118
Beryllium	80.1	88.4	90.6	82-118
Boron				
Cadmium	97.7	117	83.5	82-119
Calcium	3390	3640	93.1	79-121
Chromium	64.8	72.8	89.0	79-121
Cobalt	73.0	82.5	88.5	82-118
Copper	92.9	100	92.9	83-118
Iron	12600	14500	86.9	51-149
Lead	145	166	87.3	81-119
Magnesium	2780	3000	92.7	77-123
Manganese	336	374	89.8	80-120
Molybdenum				
Nickel	86.9	103	84.4	82-118
Potassium	2460	2410	102.1	71-129
Selenium	163	173	94.2	76-124
Silver	118	123	95.9	61-139
Sodium	495	574	86.2	56-144
Strontium				
Thallium	176	194	90.7	76-124
Tin				
Titanium				
Vanadium	123	138	89.1	75-125
Zinc	182	201	90.5	79-120

Associated samples MP7048: T19987-8, T19987-9, T19987-11, T19987-12

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

7.3.3  
7

SERIAL DILUTION RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7048  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/19/07

Metal	T19972-1 Original	SDL 1:5	RPD	QC Limits
Aluminum	63400	70200	10.7* (a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	48.2	51.5	6.9	0-10
Barium	507	556	9.8	0-10
Beryllium	5.56	6.66	19.8* (a)	0-10
Boron				
Cadmium	0.810	0.00	100.0 (b)	0-10
Calcium	16300	18000	10.7* (a)	0-10
Chromium	59.7	61.7	3.3	0-10
Cobalt	40.1	45.2	12.8 (b)	0-10
Copper	54.4	54.8	0.7	0-10
Iron	94100	104000	10.9* (a)	0-10
Lead	99.2	112	13.2* (a)	0-10
Magnesium	7000	7910	13.0* (a)	0-10
Manganese	3540	3950	11.8* (a)	0-10
Molybdenum				
Nickel	42.5	42.1	1.0	0-10
Potassium	13600	14000	2.7	0-10
Selenium	2.61	0.00	100.0 (b)	0-10
Silver	0.00	0.00	NC	0-10
Sodium	0.00	0.00	NC	0-10
Strontium				
Thallium	0.00	10.2		0-10
Tin				
Titanium				
Vanadium	136	151	10.6* (a)	0-10
Zinc	319	363	13.8* (a)	0-10

Associated samples MP7048: T19987-8, T19987-9, T19987-11, T19987-12

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Serial dilution indicates possible matrix interference.

(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

7.3.4  
7

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7049  
Matrix Type: SOLID

Methods: SW846 6010B  
Units: mg/kg

Prep Date: 12/17/07

Metal	RL	IDL	MB raw	final
Aluminum	10	2.6	anr	
Antimony	0.50	.09	anr	
Arsenic	0.50	.07	anr	
Barium	10	.005	anr	
Beryllium	0.25	.003	anr	
Boron	5.0	.07		
Cadmium	0.25	.025		
Calcium	250	.4	anr	
Chromium	0.50	.045	anr	
Cobalt	2.5	.05	anr	
Copper	1.3	.071	anr	
Iron	5.0	.8	-0.24	<5.0
Lead	0.50	.035	anr	
Magnesium	250	.4	anr	
Manganese	0.75	.01	anr	
Molybdenum	0.50	.023		
Nickel	2.0	.05		
Potassium	250	4	anr	
Selenium	0.50	.085	anr	
Silver	0.50	.025	anr	
Sodium	250	8.1	anr	
Strontium	1.0	.025		
Thallium	1.0	.075	anr	
Tin	1.0	.075		
Titanium	1.0	.025		
Vanadium	2.5	.02	anr	
Zinc	1.0	.04	anr	

Associated samples MP7049: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.4.1  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7049  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/17/07 12/17/07

Metal	T19987-6 Original	DUP	RPD	QC Limits	T19987-6 Original MS	Spikelot MPTW3	% Rec	QC Limits
Aluminum	anr							
Antimony	anr							
Arsenic	anr							
Barium	anr							
Beryllium	anr							
Boron								
Cadmium								
Calcium	anr							
Chromium	anr							
Cobalt	anr							
Copper	anr							
Iron	954	1130	16.9	0-20	954	6250	5000	105.9 75-125
Lead	anr							
Magnesium	anr							
Manganese	anr							
Molybdenum								
Nickel								
Potassium	anr							
Selenium	anr							
Silver	anr							
Sodium	anr							
Strontium								
Thallium	anr							
Tin								
Titanium								
Vanadium	anr							
Zinc	anr							

Associated samples MP7049: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

7.4.2  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7049  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/17/07

Metal	T19987-6 Original MSD	Spikelot MPTW3	% Rec	MSD RPD	QC Limit
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Boron					
Cadmium					
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	954	6380	5860	92.6	2.1
Lead	anr				
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel					
Potassium	anr				
Selenium	anr				
Silver	anr				
Sodium	anr				
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium	anr				
Zinc	anr				

Associated samples MP7049: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

7.4.2  
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7049  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/17/07

Metal	LCS Result	Spikelot MPLCD049	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium				
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	12100	14500	83.4	51-149
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel				
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP7049: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

7.4.3  
7

SERIAL DILUTION RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7049  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/17/07

Metal	T19987-6 Original	SDL 1:5	RPD	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium				
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	8720	8800	1.0	0-10
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel				
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP7049: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

7.4.4  
7

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7051  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/17/07

Metal	RL	IDL	MB raw	final
Mercury	0.017	.0041	0.0021	<0.017

Associated samples MP7051: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.5.1  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7051  
 Matrix Type: SOLID

Methods: SW846 7471A  
 Units: mg/kg

Prep Date: 12/17/07 12/17/07

Metal	T19987-6		RPD	QC Limits	T19987-6		Spikelot HGTXWS1 % Rec	QC Limits
	Original	DUP			Original	MS		
Mercury	0.014	0.0	200.0 (a)	0-20	0.014	0.31	0.291 101.9	75-125

Associated samples MP7051: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested  
 (a) RPD acceptable due to low duplicate and sample concentrations.

7.5.2  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7051  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/17/07

Metal	T19987-6 Original MSD	Spikelot HGTXWS1	% Rec	MSD RPD	QC Limit
Mercury	0.014	0.31	0.283	104.7	0.0

Associated samples MP7051: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

7.5.2  
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7051  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/17/07

Metal	LCS Result	Spikelot HGLCD049 % Rec	QC Limits
Mercury	4.4	4.18	105.3 68-132

Associated samples MP7051: T19987-1, T19987-2, T19987-3, T19987-5, T19987-6

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.5.3  
7

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7055  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/18/07

Metal	RL	IDL	MB raw	final
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Mercury 0.017 .0041 -0.0023 <0.017

Associated samples MP7055: T19987-8, T19987-9, T19987-11, T19987-12

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

7.6.1  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7055  
 Matrix Type: SOLID

Methods: SW846 7471A  
 Units: mg/kg

Prep Date: 12/18/07 12/18/07

Metal	T19972-7 Original	DUP	RPD	QC Limits	T19972-7 Original MS	Spikelot HGTXWS1	% Rec	QC Limits	
Mercury	0.0076	0.0085	11.2	0-20	0.0076	0.25	0.235	103.4	75-125

Associated samples MP7055: T19987-8, T19987-9, T19987-11, T19987-12

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

7.6.2  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7055  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/18/07

Metal	T19972-7 Original MSD	Spikelot HGTXWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0076	0.25	0.23	105.3	0.0

Associated samples MP7055: T19987-8, T19987-9, T19987-11, T19987-12

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

7.6.2  
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7055  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/18/07

Metal	LCS Result	Spikelot HGLCD049 % Rec	QC Limits
Mercury	3.8	4.18 90.9	68-132

Associated samples MP7055: T19987-8, T19987-9, T19987-11, T19987-12

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.6.3  
7

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7056  
Matrix Type: AQUEOUS

Methods: SW846 7470A  
Units: ug/l

Prep Date: 12/18/07

Metal	RL	IDL	MB raw	final
Mercury	0.20	.049	0.048	<0.20

Associated samples MP7056: T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.7.1  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7056  
 Matrix Type: AQUEOUS

Methods: SW846 7470A  
 Units: ug/l

Prep Date: 12/18/07 12/18/07

Metal	T19943-1 Original	DUP	RPD	QC Limits	T19943-1 Original MS	Spikelot HGTXAQ40	% Rec	QC Limits
Mercury	0.0	0.091	200.0 (a)	0-6.6	0.0	3.0	3	100.0 78-118

Associated samples MP7056: T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested  
 (a) RPD acceptable due to low duplicate and sample concentrations.

7.7.2  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7056  
Matrix Type: AQUEOUS

Methods: SW846 7470A  
Units: ug/l

Prep Date: 12/18/07

Metal	T19943-1 Original MSD	Spikelot HGTXAQ40 % Rec	MSD RPD	QC Limit	
Mercury	0.0	3.0	3	100.0	0.0

Associated samples MP7056: T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

7.7.2  
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7056  
Matrix Type: AQUEOUS

Methods: SW846 7470A  
Units: ug/l

Prep Date: 12/18/07

Metal	BSP Result	Spikelot HGTXAQ40 % Rec	QC Limits
Mercury	3.0	3 100.0	80-120

Associated samples MP7056: T19987-4, T19987-7, T19987-10, T19987-13, T19987-14

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.7.3  
7



## General Chemistry

### QC Data Summaries



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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN12777	0.010	<0.010	mg/l	0.2	0.20	101.0	88-113%

Associated Samples:

Batch GN12777: T19987-10, T19987-13, T19987-14, T19987-4, T19987-7

(\*) Outside of QC limits

8.1  
8

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GN12777	T19987-14	mg/l	0.0040 U	<0.010	0.0	0-11%
Solids, Percent	GN12828	T20035-16	%	82.8	82.6	0.2	0-20%
Solids, Percent	GN12829	T19987-3	%	82.7	83.1	0.5	0-20%
Solids, Percent	GN12847	T19987-6D	%	83.5	83.6	0.1	0-20%

Associated Samples:

Batch GN12777: T19987-10, T19987-13, T19987-14, T19987-4, T19987-7

Batch GN12828: T19987-1, T19987-2

Batch GN12829: T19987-11, T19987-12, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9

Batch GN12847: T19987-6D

(\*) Outside of QC limits

8.2  
8

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T19987  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN12777	T19987-14	mg/l	0.0040 U	0.1	0.086	86.0	70-122%

Associated Samples:  
Batch GN12777: T19987-10, T19987-13, T19987-14, T19987-4, T19987-7  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits

8.3  
8



## Misc. Forms

### Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

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Includes the following where applicable:

- Chain of Custody



**ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION**

ACCUTEST'S JOB NUMBER: T19987 CLIENT: ALGC PROJECT: T19987  
 DATE/TIME RECEIVED: 12-11-07 9:30 # OF COOLERS RECEIVED: 4 COOLER TEMPS: 1.6 1.8 2.0 2.2  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER  
 AIRBILL NUMBERS: 7988 2701 7285

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 0  
 NUMBER OF 5035 FIELD KITS ? 0  
 NUMBER OR LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

TECHNICIAN SIGNATURE/DATE Jmc 12-11-07 TECHNICIAN SIGNATURE/DATE FM 12-11-07 ASBD 10/03/06

**SAMPLE INFORMATION**

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
  - CORRECT NUMBER OF CONTAINERS USED
  - SAMPLE RECEIVED IMPROPERLY PRESERVED
  - INSUFFICIENT VOLUME FOR ANALYSIS
  - TIMES ON COC DOES NOT MATCH LABEL(S)
  - ID'S ON COC DOES NOT MATCH LABEL(S)
  - VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
  - BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
  - NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
  - UNCLEAR FILTERING INSTRUCTIONS
  - UNCLEAR COMPOSITING INSTRUCTIONS
  - SAMPLE CONTAINER(S) RECEIVED BROKEN
  - % SOLIDS JAR NOT RECEIVED
  - 5035 FIELD KIT NOT FROZEN WITHIN 48 HOURS
  - RESIDUAL CHLORINE PRESENT
- ( APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

9.1  
9



## General Chemistry

### QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T19987

Account: ALGC - Accutest Laboratories Gulf Coast, Inc.  
Project: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN28816	2.0	<2.0	mg/kg	20.0	20.6	103.0	80-120%

Associated Samples:

Batch GN28816: T19987-1, T19987-11, T19987-12, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9

(\*) Outside of QC limits

10.1  
10

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T19987

Account: ALGC - Accutest Laboratories Gulf Coast, Inc.  
Project: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GN28816	T19987-1	mg/kg	1.2 U	<2.5	96.2 (a)	0-20%

Associated Samples:

Batch GN28816: T19987-1, T19987-11, T19987-12, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9

(\*) Outside of QC limits

(a) RPD acceptable due to low duplicate and sample concentrations.

10.2  
10

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T19987

Account: ALGC - Accutest Laboratories Gulf Coast, Inc.  
Project: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN28816	T19987-1	mg/kg	1.2 U	24.6	22.5	90.0	80-120%

Associated Samples:

Batch GN28816: T19987-1, T19987-11, T19987-12, T19987-2, T19987-3, T19987-5, T19987-6, T19987-8, T19987-9

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

10.3  
10